

score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Pred. No. is the number of results predicted by chance to have a

Pred. No. is the number of results predicted by chance to have a

Result No.	Score	Rank	Match	Length	DB	ID	Description
1	474	100	0	174	6	A038165	Sequence
2	474	100	0	174	6	A038165	Sequence
3	439	92	274	237	4	A051937	Sequence
4	439	92	274	237	4	A051937	Sequence
5	439	92	274	237	4	A051937	Sequence
6	439	92	274	237	4	A051937	Sequence
7	422	46	17431	9	52	B013543	Novo man
8	171	36	2	1065	6	B0141178	Novo seq
9	171	36	2	1065	6	B0141178	Novo seq
10	171	36	2	1065	6	B0141178	Novo seq
11	171	36	2	1065	6	B0141178	Novo seq
12	171	36	2	1065	6	B0141178	Novo seq
13	171	36	2	1065	6	B0141178	Novo seq
14	171	36	2	1065	6	B0141178	Novo seq
15	171	36	2	1065	6	B0141178	Novo seq
16	171	36	2	1065	6	B0141178	Novo seq
17	171	36	2	1065	6	B0141178	Novo seq
18	171	36	2	1065	6	B0141178	Novo seq
19	171	36	2	1065	6	B0141178	Novo seq
20	171	36	2	1065	6	B0141178	Novo seq
21	171	36	2	1065	6	B0141178	Novo seq
22	171	36	2	1065	6	B0141178	Novo seq
23	170	36	2	1065	6	B0141178	Novo seq
24	170	36	2	1065	6	B0141178	Novo seq
25	169	34	15894	2	4	A032143	Sequence
26	169	34	15894	2	4	A032143	Sequence
27	163	34	29348	2	4	A0332143	Sequence
28	158	30	6	2271	6	A0381516	Sequence
29	158	30	6	2271	6	A0381516	Sequence
30	146	2	30	2639	10	A0346501	Sequence
31	106	8	22	1018	6	X0147920	Sequence
32	106	8	22	1018	6	X0147920	Sequence
33	106	8	22	1018	6	X0147920	Sequence
34	106	8	22	1018	6	X0147920	Sequence
35	92	15	10073	3	10	A0366827	Sequence
36	92	15	10073	3	10	A0366827	Sequence
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38	86	13	21152	10	4	A0121629	Sequence
39	86	13	21152	10	4	A0121629	Sequence
40	86	13	21152	10	4	A0121629	Sequence
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42	57	13	17655	2	4	A0136106	Sequence
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97	47	9	19846	2	4	A0001457	Sequence
98	47	9	19846	2	4	A0001457	Sequence
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ALIGNMENT

RESULT# 1	AX088165	AX088165	474 bp	DNA	linear	PAT 17-MAR-2003
		LOCUS				
		DEFINITION	Sequence 1 from Patent WO0114548.			

KEYWORDS
Homo sapiens (human)

ORGANISM SOURCE
Homo sapiens

ORGANISM
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo.

REFERENCE
Duckert K.

AUTHORS
New 5' protein coupled receptor and dna sequences thereof

TITLE
Patent: WO 0114548-A 1 01-MAR-2001.

JOURNAL

PR 14-SEP-2000; 2000US-022398.
 PR 14-SEP-2000; 2000US-022400.
 PR 14-SEP-2000; 2000US-023201.
 PR 14-SEP-2000; 2000US-023303.
 PR 14-SEP-2000; 2000US-023365.
 PR 21-SEP-2000; 2000US-023423.
 PR 21-SEP-2000; 2000US-023427.
 PR 21-SEP-2000; 2000US-023447.
 PR 25-SEP-2000; 2000US-023498.
 PR 26-SEP-2000; 2000US-023584.
 PR 27-SEP-2000; 2000US-023586.
 PR 27-SEP-2000; 2000US-023637.
 PR 29-SEP-2000; 2000US-023657.
 PR 29-SEP-2000; 2000US-023659.
 PR 29-SEP-2000; 2000US-023670.
 PR 29-SEP-2000; 2000US-023670.
 PR 02-OCT-2000; 2000US-023707.
 PR 02-OCT-2000; 2000US-023708.
 PR 02-OCT-2000; 2000US-023709.
 PR 02-OCT-2000; 2000US-023739.
 PR 13-OCT-2000; 2000US-023935.
 PR 13-OCT-2000; 2000US-023937.
 PR 20-OCT-2000; 2000US-024090.
 PR 20-OCT-2000; 2000US-024185.
 PR 20-OCT-2000; 2000US-024186.
 PR 20-OCT-2000; 2000US-024187.
 PR 20-OCT-2000; 2000US-024188.
 PR 20-OCT-2000; 2000US-024189.
 PR 20-OCT-2000; 2000US-024190.
 PR 20-OCT-2000; 2000US-024192.
 PR 20-OCT-2000; 2000US-024193.
 PR 08-NOV-2000; 2000US-024615.
 PR 08-NOV-2000; 2000US-024617.
 PR 08-NOV-2000; 2000US-024617.
 PR 08-NOV-2000; 2000US-024618.
 PR 08-NOV-2000; 2000US-024623.
 PR 08-NOV-2000; 2000US-024623.
 PR 08-NOV-2000; 2000US-024625.
 PR 08-NOV-2000; 2000US-024626.
 PR 08-NOV-2000; 2000US-024626.
 PR 08-NOV-2000; 2000US-024628.
 PR 08-NOV-2000; 2000US-024630.
 PR 08-NOV-2000; 2000US-024632.
 PR 08-NOV-2000; 2000US-024633.
 PR 08-NOV-2000; 2000US-024633.
 PR 17-NOV-2000; 2000US-024907.
 PR 17-NOV-2000; 2000US-024908.
 PR 17-NOV-2000; 2000US-024909.
 PR 17-NOV-2000; 2000US-024910.
 PR 17-NOV-2000; 2000US-024910.
 PR 17-NOV-2000; 2000US-024912.
 PR 17-NOV-2000; 2000US-024913.
 PR 17-NOV-2000; 2000US-024914.
 PR 17-NOV-2000; 2000US-024915.
 PR 17-NOV-2000; 2000US-024916.
 PR 17-NOV-2000; 2000US-024917.
 PR 17-NOV-2000; 2000US-024918.
 PR 17-NOV-2000; 2000US-024918.
 PR 17-NOV-2000; 2000US-024964.
 PR 17-NOV-2000; 2000US-024965.
 PR 17-NOV-2000; 2000US-024965.
 PR 17-NOV-2000; 2000US-024999.
 PR 17-NOV-2000; 2000US-024999.
 PR 17-NOV-2000; 2000US-024999.
 PR 01-DEC-2000; 2000US-025091.
 PR 05-DEC-2000; 2000US-025100.

PR 05-DEC-2000; 2000US-025198.
 PR 05-DEC-2000; 2000US-025199.
 PR 05-DEC-2000; 2000US-025199.
 PR 08-DEC-2000; 2000US-025179.
 PR 08-DEC-2000; 2000US-025185.
 PR 08-DEC-2000; 2000US-025186.
 PR 08-DEC-2000; 2000US-025187.
 PR 08-DEC-2000; 2000US-025188.
 PR 08-DEC-2000; 2000US-025189.
 PR 08-DEC-2000; 2000US-025193.
 PR 08-DEC-2000; 2000US-025193.
 PR 08-DEC-2000; 2000US-025194.
 PR 11-DEC-2000; 2000US-025199.
 PR 11-DEC-2000; 2000US-025199.
 PR 11-DEC-2000; 2000US-025199.
 PR 05-JAN-2001; 2001US-0255976.
 PR (HUMA-1) HUMAN GENOME SCI INC.
 PR Rosen CA, Barash SC, Ruben SM;
 PR WFI; 2001-465573/50.
 PR P-582; AM95945.
 PR Isolated digestive system associated polypeptide for treating,
 PR preventing and/or progressing disorders related to the digestive system
 PR and isolated digestive system cancers and also for testing and detection
 PR e.g. diagnosis -
 PR
 PR Claim 1; SEQ ID NO 20, 509pp - Sequence Listing; English.
 PR The invention relates to novel genes (AM95945-AM95946) and proteins
 PR (AM95945-AM95946) useful for preventing, treating or ameliorating
 PR disorders related to the digestive system and isolated from a range of
 PR human tissues disclosed in the specification.
 PR The nucleic acids, proteins, antibodies and (ant)agonists are useful
 PR for diagnosing the cancer and preventing the cancer, e.g. breast
 PR and prostate cancer and other types of the breast gland, bone marrow
 PR and prostate cancer and other types of the breast gland, bone marrow
 PR disease, gastrointestinal tract, liver, lung, or urogenital;
 PR (b) immune disorders e.g. Addison's disease, allergies, autoimmune
 PR disease, multiple sclerosis, rheumatoid arthritis and ulcerative
 PR colitis; (c) cardiovascular disorders such as myocardial ischaemia;
 PR (d) wound healing; (e) neurological diseases e.g. cerebellar ataxia and
 PR and parasitic infections.
 PR Note: the sequence data for this patent did not form part of the
 PR published application and is therefore not included in the format directly
 PR from WFO at ftp.wipo.int/pub/published_sequences.
 PR
 PR Sequence 1089 BP, 386 A, 186 C, 185 G, 331 T, 0 other;
 PR
 PR Query Match 52.74; Score 439.21; DB 22; Length 1089;
 PR Best Local Similarity 56.84; Pred. No. 1.8e-109;
 PR Matches 459; Conservative 0; Mismatches 13; Indels 2; Gaps 1;
 PR
 PR 1 CCGCGATTATCTGGCGATTTCCTGCTGTTATATTCGGCGATTATCTGCATCA 60
 PR 20 CCGCGATTATCTGGCGATTTCCTGCTGTTATATTCGGCGATTATCTGCATCA 79
 PR 61 GTTTCCTGATGAGCTGTTATAGTGTCTCATGATGCTCATAGCGACTGAA 120
 PR 80 GTTTCCTGATGAGCTGTTATAGTGTCTCATGATGCTCATAGCGACTGAA 139
 PR 121 ATGCGATCATGATTAAGAGGATCATCTTCGCAAGCTGTTCTTCTATGATT 180
 PR 140 ATGCGATCATGATTAAGAGGATCATCTTCGCAAGCTGTTCTTCTATGATT 199
 PR 181 ATGCGATCATGATTAAGAGGATCATCTTCGCAAGCTGTTCTTCTATGATT 249
 PR 240 ATGCGATCATGATTAAGAGGATCATCTTCGCAAGCTGTTCTTCTATGATT 259
 PR 241 GATATCATGATTAAGAGGATCATCTTCGCAAGCTGTTCTTCTATGATT 300
 PR 260 GATATCATGATTAAGAGGATCATCTTCGCAAGCTGTTCTTCTATGATT 319
 PR 300 TCGATCATGATTAAGAGGATCATCTTCGCAAGCTGTTCTTCTATGATT 360
 PR 320 TCGATCATGATTAAGAGGATCATCTTCGCAAGCTGTTCTTCTATGATT 379

RESULT 5
AAZ90524
ID AAZ9
XX
AC AAZ9

(LIFE) LIFESPAN BIOSCIENCES INC.

Barner GC, Roush CL, Brown JP;

WPI: 2003-046719/04.

P-5908; AB91724.

New isolated antigenic peptides e.g., for G protein-coupled receptors (GPCRs) useful for diagnosing and designing drugs for treating cancer or autoimmune diseases.

Discloser; Fig 1. 53pp; English.

The present invention describes antigenic peptides (1) comprising: (a) any one of 1601 sequences (see AB9201 to AB9315) of 12-24 amino acid residues, (b) any one of 1601 sequences (see AB9316 to AB9430) of a protein-coupled receptor (GPCR) or a candidate polypeptide in a sample; and (2) an isolated antibody having high specificity and high affinity for the antigenic peptide (1). The antigenic peptides (1) are useful in a new therapy. The antigenic peptides for GPCRs are useful in detecting an antibody against a particular GPCR, and in the production of specific antibodies. The peptides and antibodies are also useful for detecting the expression of a particular GPCR in a sample. The antigenic peptides for GPCRs and antibodies are useful for diagnosing and designing drugs for treating immune-related diseases, growth-related diseases, cell degeneration related diseases, immunological related diseases, proliferative diseases, infectious diseases, autoimmune diseases, allergic diseases, atherosclerosis, bacterial, fungal, protozoan or viral infections, osteoarthritis, osteoporosis, cancer, cardiomyopathy, chronic and acute inflammation, diabetes, multiple sclerosis, pain, psoriasis, disease, Parkinson's disease, multiple sclerosis, pain, psoriasis, anxiety, depression, schizophrenia, dementia, mental retardation, memory loss, epilepsy, autism, tuberous sclerosis, mental retardation, autism, or any other disorder in which GPCRs are involved. The antibodies may be used in immunoassays and immunodiagnosis. AB42531 to AB42669 encode the amino acid sequences of the antigenic peptides (1), which are used in the exemplification of the present invention.

Sequence 2274 BP: 669 A; 460 C; 421 G; 724 T; 0 other;

Query Match 92.7%; Score 439.2; DB 20; Length 2274;
Best Local Similarity 96.8%; Pred. No. 2.3e-109; Matches 439; Conservative 0; Mismatches 13; Indels 2; Gaps 1;
1 GCGCAGATATATGAGCGGCAATTTCTTGATTAATTTGCGGCAATTAATCACTA 60
1726 GCGAGGATATATGAGCGGCAATTTCTTGATTAATTTGCGGCAATTAATCACTA 1785
61 GTTTTTCATGAGCAAGATTTTATGATTTTATGATTTTATGATTTTATGATTT 120
1785 GTTTTTCATGAGCAAGATTTTATGATTTTATGATTTTATGATTTTATGATTT 1845
121 ATGCGAGATATATGAGCGGCAATTTCTTGATTAATTTGCGGCAATTAATCACTA 180
1845 ATGCGAGATATATGAGCGGCAATTTCTTGATTAATTTGCGGCAATTAATCACTA 1905
181 ATGCGAGATATATGAGCGGCAATTTCTTGATTAATTTGCGGCAATTAATCACTA 240
1905 ATGCGAGATATATGAGCGGCAATTTCTTGATTAATTTGCGGCAATTAATCACTA 295
241 GATATGAGATATATGAGCGGCAATTTCTTGATTAATTTGCGGCAATTAATCACTA 300
1966 GATATGAGATATATGAGCGGCAATTTCTTGATTAATTTGCGGCAATTAATCACTA 2025
301 TGAATGAGATATATGAGCGGCAATTTCTTGATTAATTTGCGGCAATTAATCACTA 360
2025 TGAATGAGATATATGAGCGGCAATTTCTTGATTAATTTGCGGCAATTAATCACTA 2085
361 TGAATGAGATATATGAGCGGCAATTTCTTGATTAATTTGCGGCAATTAATCACTA 420
2085 TGAATGAGATATATGAGCGGCAATTTCTTGATTAATTTGCGGCAATTAATCACTA 2143

Cy 421 CAGCAGATATATGAGCGGCAATTTCTTGATTAATTTGCGGCAATTAATCACTA 474
Db 2144 CAGCAGATATATGAGCGGCAATTTCTTGATTAATTTGCGGCAATTAATCACTA 2197
RESULT 8
AA25345
10 AA25345 standard; CDM: 2167 BP.
AC AA25345;
XX 20 DEC-1999 (first entry)
XX 20 DEC-1999 (first entry)
De Human LART long form nucleotide sequence.
KW human; LMT4; LMS; LMT7; G-protein coupled receptor; gene therapy;
KW extracellular leucine rich repeat region; mapping; identification; ss.
XX Homo sapiens.
XX Homo sapiens.
PM W09548921-A1.
XX 30 SEP-1999.
PF 23-MAR-1999; 9580-US66273.
PF 25-MAR-1998; 98US-0075901.
PA (SFD) UNIV ILLINOIS STANFORD JUNIOR.
PA (SFD) UNIV ILLINOIS STANFORD JUNIOR.
PI Hsieh HW, Hsu ST, Liang S, Van Der Spek RJ;
DB WPI: 1999-591074/50.
DB P-PSM: AA42170.
XX New G-protein coupled receptors, useful for identifying their own
XX ligands -
XX Claim 4; Fig 3; 54pp; English.
XX The present sequence encodes the human G-protein coupled receptor
XX having extracellular leucine rich repeat regions, designated LART, long
XX repeat region, and intracellular regions, designated IART, short
XX repeat region. The polypeptides and/or polynucleotides are also useful
XX for homologous or related genes, producing compositions that modulate
XX functional regions of the receptor, studying associated physiological
XX pathways, in vivo prophylactic and therapeutic purposes, as immunogens
XX for producing antibodies, and for identifying biologically active
XX transmembrane region and a leucine rich repeat extracellular domain.
XX These regions capture and facilitate optimal orientation of its ligand.
XX The proteins are also expressed in diverse tissues.
XX Sequence 2467 BP: 747 A; 487 C; 474 G; 759 T; 0 other;
Query Match 92.7%; Score 439.2; DB 20; Length 2467;
Best Local Similarity 96.8%; Pred. No. 2.3e-109; Matches 439; Conservative 0; Mismatches 13; Indels 2; Gaps 1;
1 GCGCAGATATATGAGCGGCAATTTCTTGATTAATTTGCGGCAATTAATCACTA 60
1919 GCGCAGATATATGAGCGGCAATTTCTTGATTAATTTGCGGCAATTAATCACTA 1978
61 GTTTTTCATGAGCAAGATTTTATGATTTTATGATTTTATGATTTTATGATTT 120
1978 GTTTTTCATGAGCAAGATTTTATGATTTTATGATTTTATGATTTTATGATTT 2038
121 ATGCGAGATATATGAGCGGCAATTTCTTGATTAATTTGCGGCAATTAATCACTA 180
2038 ATGCGAGATATATGAGCGGCAATTTCTTGATTAATTTGCGGCAATTAATCACTA 2098
2099 ATGCGAGATATATGAGCGGCAATTTCTTGATTAATTTGCGGCAATTAATCACTA 2158

PR0014 14
 ID ANS2573 standard; cDNA; 530 BP.
 XX ANS2573;
 XX ANS2573;
 DT 21-NOV-2001 (first entry)
 XX Human endocrine polypeptide encoding cDNA SEQ ID No 73.
 XX Endocrine protein; human; mouse; rabbit; goat; horse; food additive;
 XX antihemorrhagic; antiproliferative; cytostatic; virulent; neuroprotective;
 XX cerebroprotective; neurotrophic; antibacterial; virulent; fungicide; cancer;
 XX ophthalmological; vunerary; gene therapy; autoimmune disease; neoplasm;
 XX cerebrovascular disorder; nervous system disorder; bacterial infection;
 XX fungal infection; viral infection; ocular disorder; endocrine disorder;
 XX gastritis; tumor; tumor; renal disorder; respiratory disorder;
 XX tissue regeneration; anti-fertility.
 XX Homo sapiens.
 XX W0200155364-A2.
 PD 02-AUG-2001.
 XX
 XX
 PR 31-JAN-2000; 2000US-0179065.
 PR 04-FEB-2000; 2000US-0180528.
 PR 04-FEB-2000; 2000US-0180528.
 PR 15-MAR-2000; 2000US-0180528.
 PR 17-MAR-2000; 2000US-0180528.
 PR 19-MAR-2000; 2000US-0180528.
 PR 07-JUN-2000; 2000US-0205145.
 PR 28-JUN-2000; 2000US-0205145.
 PR 07-JUL-2000; 2000US-0215680.
 PR 07-JUL-2000; 2000US-0215680.
 PR 11-JUL-2000; 2000US-0217896.
 PR 14-JUL-2000; 2000US-0218290.
 PR 28-JUL-2000; 2000US-0220993.
 PR 14-AUG-2000; 2000US-0224518.
 PR 14-AUG-2000; 2000US-0224519.
 PR 14-AUG-2000; 2000US-0225114.
 PR 14-AUG-2000; 2000US-0225114.
 PR 14-AUG-2000; 2000US-0225166.
 PR 14-AUG-2000; 2000US-0225267.
 PR 14-AUG-2000; 2000US-0225267.
 PR 14-AUG-2000; 2000US-0225270.
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 PR 14-AUG-2000; 2000US-0225447.
 PR 14-AUG-2000; 2000US-0225758.
 PR 14-AUG-2000; 2000US-0225759.
 PR 18-AUG-2000; 2000US-0225759.
 PR 22-AUG-2000; 2000US-0226688.
 PR 22-AUG-2000; 2000US-0227182.
 PR 23-AUG-2000; 2000US-0227099.
 PR 01-SEP-2000; 2000US-0229387.
 PR 01-SEP-2000; 2000US-0229443.
 PR 01-SEP-2000; 2000US-0229443.
 PR 01-SEP-2000; 2000US-0229443.
 PR 05-SEP-2000; 2000US-0229409.
 PR 05-SEP-2000; 2000US-0229513.

PR 06-SEP-2000; 2000US-0230437.
 PR 06-SEP-2000; 2000US-0230437.
 PR 08-SEP-2000; 2000US-0231143.
 PR 08-SEP-2000; 2000US-0231143.
 PR 08-SEP-2000; 2000US-0231244.
 PR 08-SEP-2000; 2000US-0231244.
 PR 08-SEP-2000; 2000US-0231114.
 PR 08-SEP-2000; 2000US-0231280.
 PR 09-SEP-2000; 2000US-0232862.
 PR 09-SEP-2000; 2000US-0232862.
 PR 14-SEP-2000; 2000US-0232358.
 PR 14-SEP-2000; 2000US-0232358.
 PR 14-SEP-2000; 2000US-0232401.
 PR 14-SEP-2000; 2000US-0232401.
 PR 14-SEP-2000; 2000US-0233063.
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 PR 14-SEP-2000; 2000US-0233065.
 PR 21-SEP-2000; 2000US-0234223.
 PR 21-SEP-2000; 2000US-0234223.
 PR 25-SEP-2000; 2000US-0234599.
 PR 25-SEP-2000; 2000US-0234598.
 PR 26-SEP-2000; 2000US-0234584.
 PR 27-SEP-2000; 2000US-0235836.
 PR 29-SEP-2000; 2000US-0236327.
 PR 29-SEP-2000; 2000US-0236327.
 PR 29-SEP-2000; 2000US-0236365.
 PR 29-SEP-2000; 2000US-0236365.
 PR 29-SEP-2000; 2000US-0236370.
 PR 02-OCT-2000; 2000US-0237037.
 PR 02-OCT-2000; 2000US-0237037.
 PR 02-OCT-2000; 2000US-0237038.
 PR 02-OCT-2000; 2000US-0237039.
 PR 13-OCT-2000; 2000US-0239935.
 PR 13-OCT-2000; 2000US-0239937.
 PR 20-OCT-2000; 2000US-0241120.
 PR 20-OCT-2000; 2000US-0241120.
 PR 20-OCT-2000; 2000US-0241785.
 PR 20-OCT-2000; 2000US-0241785.
 PR 20-OCT-2000; 2000US-0241808.
 PR 20-OCT-2000; 2000US-0241809.
 PR 01-NOV-2000; 2000US-0244819.
 PR 01-NOV-2000; 2000US-0244819.
 PR 08-NOV-2000; 2000US-0246474.
 PR 08-NOV-2000; 2000US-0246475.
 PR 08-NOV-2000; 2000US-0246477.
 PR 08-NOV-2000; 2000US-0246478.
 PR 08-NOV-2000; 2000US-0246521.
 PR 08-NOV-2000; 2000US-0246521.
 PR 08-NOV-2000; 2000US-0246526.
 PR 08-NOV-2000; 2000US-0246526.
 PR 08-NOV-2000; 2000US-0246528.
 PR 08-NOV-2000; 2000US-0246528.
 PR 08-NOV-2000; 2000US-0246534.
 PR 08-NOV-2000; 2000US-0246534.
 PR 08-NOV-2000; 2000US-0246599.
 PR 08-NOV-2000; 2000US-0246611.
 PR 08-NOV-2000; 2000US-0246611.
 PR 17-NOV-2000; 2000US-0249206.
 PR 17-NOV-2000; 2000US-0249209.
 PR 17-NOV-2000; 2000US-0249210.
 PR 17-NOV-2000; 2000US-0249211.
 PR 17-NOV-2000; 2000US-0249213.
 PR 17-NOV-2000; 2000US-0249214.
 PR 17-NOV-2000; 2000US-0249214.
 PR 17-NOV-2000; 2000US-0249216.
 PR 17-NOV-2000; 2000US-0249216.

SQ Sequence 430 BP; 156 A; 105 C; 95 G; 171 T; 1 other;
 Query Match 92.64; Score 438.8; DB 22; Length 530;
 Best Local Similarity 96.64; Prod No 1; Seq-ID 10;
 Matches 458; Conservative 1; Mismatches 13; Indels 2; Gaps 1;
 Oy 1 GCGGAGATATTCGTGGGATTTCTGGTATTTGCTGATTTGCGGATTTACGCTGA 60
 Db 2 GCGGAGATTTATCGTGAATTTCTGGTATTTGCTGATTTGCGGATTTACGCTGA 61
 Oy 61 GTTCTTCCTATGACAGCAGTGTATAGCGTCTCAAGTGGCAATACGCACTGAA 120
 Db 62 GTTCTTCCTATGACAGCAGTGTATAGCGTCTCAAGTGGCAATACGCACTGAA 121
 Oy 121 ATGAGAGATCAAGTAAAGAGAGATGATCTTGGCAAGCTTTTCTTTATATATTT 180
 Db 122 ATGAGAGATCAAGTAAAGAGAGATGATCTTGGCAAGCTTTTCTTTATATATTT 181
 Oy 181 ACTGAGATTAATGCTGGATACCATTTTGTAGAGAACTCTTCACTGCTTCAGTA 240
 Db 182 ACTGAGATTAATGCTGGATACCATTTTGTAGAGAACTCTTCACTGCTTCAGTA 241
 Oy 241 GAATACGAGTACCATTTCTGGTATTTGCTGATTTGCTGATTTACGCTGACGCT 300
 Db 242 GAATACGAGTACCATTTCTGGTATTTGCTGATTTGCTGATTTACGCTGACGCT 301
 Oy 301 TTGAACCATTTCTGATATCTGACACAGACATTTAAAGAAATGATATAGGTTT 360
 Db 302 TTGAACCATTTCTGATATCTGACACAGACATTTAAAGAAATGATATAGGTTT 361
 Oy 361 TGGCATACTACGACACAGAAATCTTGGACACAGACATTTATGACACAGAGTATCAGATC 420
 Db 362 TGGTATACTACGACACAGAAATCTTGGACACAGACATTTATGACACAGAGTATCAGATC 419
 Oy 421 CATCATCATTTGGAGAGATCTGAGCTGCTGGAGAGATCTGAGAGATCTGAGATTA 474
 Db 420 CATCATCATTTGGTGGAGATCTGAGCTGCTGGAGAGATCTGAGAGATCTGAGATTA 473

Search completed: September 25, 2003, 13:31:51
 Job time : 225 secs

Query Match 8.1%: Score 38.4: DB 2: Length 8967:

; PRIOR APPLICATION NUMBER: 60/441,808
 ; PRIOR FILING DATE: 2000-10-20
 ; PRIOR APPLICATION NUMBER: 60/441,826
 ; PRIOR FILING DATE: 2000-10-20
 ; PRIOR APPLICATION NUMBER: 60/441,786
 ; PRIOR FILING DATE: 2000-10-20
 ; PRIOR APPLICATION NUMBER: 60/441,221
 ; PRIOR FILING DATE: 2000-10-20
 ; PRIOR APPLICATION NUMBER: 60/441,475
 ; PRIOR FILING DATE: 2000-10-20
 ; PRIOR APPLICATION NUMBER: 60/441,243
 ; PRIOR FILING DATE: 2000-09-08
 ; PRIOR APPLICATION NUMBER: 60/441,065
 ; PRIOR FILING DATE: 2000-09-14

Query Match Similarity: 92.6%; Score 438.8; DB 11; Length 530;

Best Local Similarity 96.6%; Pred. No. 6.9e-111; Matches 458; Conservative 1; Mismatches 13; Indels 2; Gaps 1;

QY 1 GCGCAATATATGAGTGGCAATTTCTGCTGATATATGGCGCAATTCACATCA 60
 DB 2 GCGCAATATATGAGTGGCAATTTCTGCTGATATATGGCGCAATTCACATCA 61
 QY 61 GCTTTTCCTGAGAGAGATGTTTATGAGTGTCTCAAGATGCCAATACACACTGA 120
 DB 62 GCTTTTCCTGAGAGAGATGTTTATGAGTGTCTCAAGATGCCAATACACACTGA 121
 QY 121 ATACAGAGATGATTAAGAGAGATGCTGCGCAAGGTGTTTCTTATGATATT 180
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 QY 301 TGCAACCAATGATACCAATGCTGCTGATATATGGCGCAATTCACATCA 360
 DB 302 TGCAACCAATGATACCAATGCTGCTGATATATGGCGCAATTCACATCA 361
 QY 361 TGCAACCAATGATACCAATGCTGCTGATATATGGCGCAATTCACATCA 420
 DB 362 TGCAACCAATGATACCAATGCTGCTGATATATGGCGCAATTCACATCA 419
 QY 421 CATCATCTCTGCGGGAGATGCGCAATGCGCAAGGTGTTTCTTATGATATT 474
 DB 420 CATCATCTCTGCGGGAGATGCGCAATGCGCAAGGTGTTTCTTATGATATT 473

RESULT 2

US-09-764-886-18

; Sequence 18, Application US/09764886
 ; Publication No. US2003013937A9
 ; GENE: P102
 ; TITLE OF INVENTOR: Nucleic Acids, Proteins, and Antibodies
 ; APPLICANT: Rosen et al.
 ; FILE REFERENCE: P102
 ; CURRENT FILING DATE: 2001-01-17
 ; PRIOR application data removed - consult PAK or file wrapper
 ; NUMBER OF SEQ ID NOS: 89
 ; SOFTWARE: PatentLinc Ver. 2.0
 ; SEQ ID NO 18
 ; LENGTH: 530
 ; ORGANISM: Homo sapiens
 US-09-764-886-18

Query Match 92.6%; Score 438.8; DB 12; Length 530;

Best Local Similarity 96.6%; Pred. No. 6.9e-111;

Matches 458; Conservative 1; Mismatches 13; Indels 2; Gaps 1;
 QY 1 GCGCAATATATGAGTGGCAATTTCTGCTGATATATGGCGCAATTCACATCA 60
 DB 2 GCGCAATATATGAGTGGCAATTTCTGCTGATATATGGCGCAATTCACATCA 61
 QY 61 GCTTTTCCTGAGAGAGATGTTTATGAGTGTCTCAAGATGCCAATACACACTGA 120
 DB 62 GCTTTTCCTGAGAGAGATGTTTATGAGTGTCTCAAGATGCCAATACACACTGA 121
 QY 121 ATACAGAGATGATTAAGAGAGATGCTGCGCAAGGTGTTTCTTATGATATT 180
 DB 122 ATACAGAGATGATTAAGAGAGATGCTGCGCAAGGTGTTTCTTATGATATT 181
 QY 181 ACTATGCTATGCTGAGAGATGCTGCGCAAGGTGTTTCTTATGATATT 240
 DB 182 ACTATGCTATGCTGAGAGATGCTGCGCAAGGTGTTTCTTATGATATT 241
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 QY 361 TGCAACCAATGATACCAATGCTGCTGATATATGGCGCAATTCACATCA 420
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 QY 421 CATCATCTCTGCGGGAGATGCGCAATGCGCAAGGTGTTTCTTATGATATT 474
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RESULT 8

US-10-073-865-25

; Sequence 25, Application US/10073865
 ; Publication No. US20030044954A1
 ; GENE: P102
 ; TITLE OF INVENTOR: Nucleic Acids, Proteins, and Antibodies
 ; APPLICANT: Rosen et al.
 ; FILE REFERENCE: P102
 ; CURRENT FILING DATE: 2002-02-14
 ; PRIOR application data removed - See file wrapper or PAK
 ; SOFTWARE: PatentLinc Ver. 2.0
 ; SEQ ID NO 25
 ; LENGTH: 530
 ; ORGANISM: Homo sapiens
 US-10-073-865-25

Query Match 92.6%; Score 438.8; DB 14; Length 530;

Best Local Similarity 96.6%; Pred. No. 6.9e-111; Matches 458; Conservative 1; Mismatches 13; Indels 2; Gaps 1;

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 DB 2 GCGCAATATATGAGTGGCAATTTCTGCTGATATATGGCGCAATTCACATCA 61
 QY 61 GCTTTTCCTGAGAGAGATGTTTATGAGTGTCTCAAGATGCCAATACACACTGA 120
 DB 62 GCTTTTCCTGAGAGAGATGTTTATGAGTGTCTCAAGATGCCAATACACACTGA 121
 QY 121 ATACAGAGATGATTAAGAGAGATGCTGCGCAAGGTGTTTCTTATGATATT 180
 DB 122 ATACAGAGATGATTAAGAGAGATGCTGCGCAAGGTGTTTCTTATGATATT 181
 QY 181 ACTATGCTATGCTGAGAGATGCTGCGCAAGGTGTTTCTTATGATATT 240
 DB 182 ACTATGCTATGCTGAGAGATGCTGCGCAAGGTGTTTCTTATGATATT 241

2

/ NUMBER OF SEQ ID NOS: 305
 / SOURCE: GenBank
 / LENGTH: 1126
 / ORGANISM: Homo sapiens
 / FEATURE: misc_feature
 / NAME/KEY: unsure
 / OTHER INFORMATION: Inocyte ID No. US200210655A1 3556218C11
 US-10-313-542-255

Query Match 92.3%; Score 437.6; DB 14; Length 1126;
 Best Local Similarity 96.6%; Pred. No. 36-110;
 Matches 457; Conservative 0; Mismatches 14; Indels 2; Gaps 1;
 DB 1 OCCAGATATTCGCGCAATTTTCCTGATATTAATTCGCGCAATTCATCATCA 60
 DB 114 CCGAGATATTCGCGCAATTTTCCTGATATTAATTCGCGCAATTCATCATCA 73
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 DB 174 GTTATTCCTATGAGAGAGAGATTTATAGTGTCTCAAGAGAGAGAGAGAG 133
 QY 121 TATGAGAGAGAGAGAGAGATTTATAGTGTCTCAAGAGAGAGAGAGAGAG 180
 DB 234 TATGAGAGAGAGAGAGAGATTTATAGTGTCTCAAGAGAGAGAGAGAGAG 243
 QY 181 ACTGATGATATTCGCGCAATTTTCCTGATATTAATTCGCGCAATTCATCATCA 240
 DB 294 ACTGATGATATTCGCGCAATTTTCCTGATATTAATTCGCGCAATTCATCATCA 253
 QY 241 GATATTCGCGCAATTTTCCTGATATTAATTCGCGCAATTCATCATCA 300
 DB 354 GATATTCGCGCAATTTTCCTGATATTAATTCGCGCAATTCATCATCA 313
 QY 301 TGTATTCGCGCAATTTTCCTGATATTAATTCGCGCAATTCATCATCA 360
 DB 411 TGTATTCGCGCAATTTTCCTGATATTAATTCGCGCAATTCATCATCA 373
 QY 361 TGTATTCGCGCAATTTTCCTGATATTAATTCGCGCAATTCATCATCA 420
 DB 474 TGTATTCGCGCAATTTTCCTGATATTAATTCGCGCAATTCATCATCA 431
 QY 421 CATCATTCCTGCGCAATTTTCCTGATATTAATTCGCGCAATTCATCATCA 474
 DB 532 CATCATTCCTGCGCAATTTTCCTGATATTAATTCGCGCAATTCATCATCA 585

NUMBER 13
 SEQ ID: 835-666-37/c
 / Sequence 37, Application US/0989566
 / Patent No. US2002106655A1
 / INVENTOR: GenBank
 / APPLICANT: GenBank
 / APPLICANT: Tag, Y. Ron
 / APPLICANT: Tag, Y. Ron
 / TITLE OF INVENTION: HUMAN UPOR PROTEINS
 / FILE REFERENCE: PC-0044 CIP
 / CURRENT APPLICATION NUMBER: US/09/895, 666
 / NUMBER OF SEQ ID NOS: 74
 / SOFTWARE: FEEL Program
 / SOURCE: GenBank
 / LENGTH: 612
 / TYPE: DNA
 / ORGANISM: Homo sapiens
 / NAME/KEY: misc_feature
 / OTHER INFORMATION: Inocyte ID No. US2002106655A1 46882230881
 / NAME/KEY: unsure
 / OTHER INFORMATION: a, t, c, g, or other

US-09-895-686-37

Query Match 92.1%; Score 436.6; DB 10; Length 612;
 Best Local Similarity 96.6%; Pred. No. 36-110;
 Matches 457; Conservative 0; Mismatches 14; Indels 2; Gaps 1;
 QY 2 CCGAGATATTCGCGCAATTTTCCTGATATTAATTCGCGCAATTCATCATCA 61
 DB 497 CCGAGATATTCGCGCAATTTTCCTGATATTAATTCGCGCAATTCATCATCA 438
 QY 62 TTTTTCCTATGAGAGAGAGATTTATAGTGTCTCAAGAGAGAGAGAGAGAG 121
 DB 437 TTTTTCCTATGAGAGAGAGATTTATAGTGTCTCAAGAGAGAGAGAGAGAG 378
 QY 122 TATGAGAGAGAGAGAGAGATTTATAGTGTCTCAAGAGAGAGAGAGAGAG 318
 DB 377 TATGAGAGAGAGAGAGAGATTTATAGTGTCTCAAGAGAGAGAGAGAGAG 388
 QY 182 CTGATGATATTCGCGCAATTTTCCTGATATTAATTCGCGCAATTCATCATCA 241
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 QY 242 AATGAGATATTCGCGCAATTTTCCTGATATTAATTCGCGCAATTCATCATCA 301
 DB 257 AATGAGATATTCGCGCAATTTTCCTGATATTAATTCGCGCAATTCATCATCA 198
 QY 302 TATGAGAGAGAGAGAGAGATTTATAGTGTCTCAAGAGAGAGAGAGAGAG 361
 DB 137 TATGAGAGAGAGAGAGAGATTTATAGTGTCTCAAGAGAGAGAGAGAGAG 438
 QY 362 GCTATTCATGAGAGAGAGAGAGATTTATAGTGTCTCAAGAGAGAGAGAGAG 421
 DB 137 GCTATTCATGAGAGAGAGAGAGATTTATAGTGTCTCAAGAGAGAGAGAGAG 480
 QY 422 ATCATTCATTCGCGCAATTTTCCTGATATTAATTCGCGCAATTCATCATCA 474
 DB 79 ATCATTCATTCGCGCAATTTTCCTGATATTAATTCGCGCAATTCATCATCA 27

SUBMIT 13

/ Sequence 17, Application US/0321807
 / Patent No. US20021066148A1
 / INVENTOR: GenBank
 / APPLICANT: GenBank
 / APPLICANT: Chen, Ruqiong
 / APPLICANT: Chen, Ruqiong
 / TITLE OF INVENTION: Receptors
 / FILE REFERENCE: PC-0044 CIP
 / CURRENT APPLICATION NUMBER: US/10/321,807
 / PRIOR FILING DATE: 2003-12-16
 / PRIOR APPLICATION NUMBER: 09/09/714,008
 / PRIOR FILING DATE: 1999-11-17
 / PRIOR APPLICATION NUMBER: 09/170,496
 / PRIOR FILING DATE: 1999-11-17
 / PRIOR APPLICATION NUMBER: PC/0899/23938
 / PRIOR FILING DATE: 1999-11-17
 / PRIOR APPLICATION NUMBER: 60/166,098
 / PRIOR FILING DATE: 1999-11-17
 / PRIOR APPLICATION NUMBER: 60/166,099
 / PRIOR FILING DATE: 1999-11-17
 / PRIOR APPLICATION NUMBER: 60/171,902
 / PRIOR FILING DATE: 1999-12-23
 / PRIOR APPLICATION NUMBER: 60/171,901
 / PRIOR FILING DATE: 1999-12-23
 / PRIOR APPLICATION NUMBER: 60/171,900
 / PRIOR FILING DATE: 1999-12-23
 / PRIOR APPLICATION NUMBER: 60/181,749
 / PRIOR FILING DATE: 2000-02-11
 / OTHER INFORMATION: Remaining Prior Application data removed - See File Wrapper or PAM.

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Search completed: September 25, 2003, 15:11:48
Job time : 191 secs

GenCore version 5.1.6
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OM: proteina - protein search, using sw model

Run on: September 25, 2003, 14:52:51; Search time 41 seconds
(without alignments)
607.107 Million cell updates/sec

File: US-10-049-568-2

Percent score: 876

Sequence: 1 AQTSTATATGTAATATTT.....HMLSGSGGRCRCMLG 157

Scoring table: BLCSM62

Gap: 10.0, Gapout: 0.5

Search: 1107863 seqs, 158726573 residues

Total number of hits satisfying chosen parameters: 1107863

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match: 0%

Listing first 45 summaries

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- 24: /SIDSL/sgcdgata/geneseq/emb1/AA1982.DAT.*

Pred. No. is the number of results predicted by chance to have a
score of 876 or higher. The results are sorted by predicted score
and is derived by analysis of the total score distribution.

SUMMARIES

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1	826	100.0	0	157	22	AA083407	Human HGR101 G-pr
2	638	77.2	2	188	22	AA095945	Human expressed po
3	638	77.2	2	209	22	AA077245	Novel central nerv
4	638	77.2	2	209	22	AA077245	Novel central nerv
5	638	77.2	2	396	22	AA02488	Human G-protein co
6	638	77.2	2	396	22	AA02488	Human G-protein co
7	638	77.2	2	396	22	AA02488	Human G-protein co
8	638	77.2	2	396	22	AA02488	Human G-protein co
9	638	77.2	2	757	24	AA081724	Human G-protein co

10	632	76.5	176	22	AA087545	Novel central nerv
11	632	76.5	176	22	AA095922	Human expressed po
12	632	76.5	176	22	AA095922	Human expressed po
13	632	76.5	176	22	AA081049	Human G-protein co
14	632	76.5	176	22	AA081049	Human G-protein co
15	632	76.5	176	22	AA081049	Human G-protein co
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17	632	76.5	176	22	AA081049	Human G-protein co
18	632	76.5	176	22	AA081049	Human G-protein co
19	632	76.5	176	22	AA081049	Human G-protein co
20	632	76.5	176	22	AA081049	Human G-protein co
21	586.5	71.0	140	21	AA041526	Human OPRX GRP1240
22	324.5	47.5	325	22	AA041526	Human G-protein co
23	324.5	47.5	325	22	AA041526	Human G-protein co
24	324.5	47.5	325	22	AA041526	Human G-protein co
25	324.5	47.5	325	22	AA041526	Human G-protein co
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31	324.5	47.5	325	22	AA041526	Human G-protein co
32	324.5	47.5	325	22	AA041526	Human G-protein co
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34	324.5	47.5	325	22	AA041526	Human G-protein co
35	349	42.3	109	23	AA020168	Human G-protein co
36	349	42.3	109	23	AA020168	Human G-protein co
37	349	42.3	109	23	AA020168	Human G-protein co
38	349	42.3	109	23	AA020168	Human G-protein co
39	224.5	37.2	334	22	AA060463	Drosophila melanog
40	224.5	37.2	334	22	AA060463	Drosophila melanog
41	224.5	37.2	334	22	AA060463	Drosophila melanog
42	212.5	35.7	359	22	AA088331	Drosophila C-proce
43	207.5	25.1	1115	21	AA077559	Immunoglobulin
44	139.5	16.9	530	14	AA050220	N-terminal of Lir
45	139.5	16.9	530	14	AA050220	N-terminal of Lir

ALIGNMENTS

RESULT: 1

ID: AA083407 standard; Protein: 157 AA.

PP: 09-AUG-2000; 200000-EP07723.

PF: 19-AUG-1999; 95EP-0116345.

PT: 23-MAR-2001 (first entry)

XX: Human HGR101 G-protein coupled receptor.

XX: Human HGR101 G-protein coupled receptor.

XX: Human HGR101 G-protein coupled receptor.

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XX: Human HGR101 G-protein coupled receptor.

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FR 18-JUN-2000; 2000US-0214886.
 PR 18-JUN-2000; 2000US-0214886.
 PR 07-JUL-2000; 2000US-0215637.
 PR 07-JUL-2000; 2000US-0215640.
 PR 11-JUL-2000; 2000US-0217487.
 PR 11-JUL-2000; 2000US-0217487.
 PR 14-JUL-2000; 2000US-0216290.
 PR 26-JUL-2000; 2000US-0220963.
 PR 26-JUL-2000; 2000US-0220964.
 PR 14-AUG-2000; 2000US-0221564.
 PR 14-AUG-2000; 2000US-0224519.
 PR 14-AUG-2000; 2000US-0225213.
 PR 14-AUG-2000; 2000US-0225265.
 PR 14-AUG-2000; 2000US-0225267.
 PR 14-AUG-2000; 2000US-0225267.
 PR 14-AUG-2000; 2000US-0225447.
 PR 14-AUG-2000; 2000US-0225447.
 PR 14-AUG-2000; 2000US-0225757.
 PR 14-AUG-2000; 2000US-0225759.
 PR 18-AUG-2000; 2000US-0226279.
 PR 22-AUG-2000; 2000US-0226681.
 PR 22-AUG-2000; 2000US-0226681.
 PR 22-AUG-2000; 2000US-0227182.
 PR 23-AUG-2000; 2000US-0227009.
 PR 01-SEP-2000; 2000US-0228294.
 PR 01-SEP-2000; 2000US-0228343.
 PR 01-SEP-2000; 2000US-0228344.
 PR 05-SEP-2000; 2000US-0229509.
 PR 05-SEP-2000; 2000US-0229513.
 PR 06-SEP-2000; 2000US-0210437.
 PR 08-SEP-2000; 2000US-0211242.
 PR 08-SEP-2000; 2000US-0211243.
 PR 08-SEP-2000; 2000US-0211413.
 PR 08-SEP-2000; 2000US-0211414.
 PR 08-SEP-2000; 2000US-0221080.
 PR 12-SEP-2000; 2000US-0221080.
 PR 12-SEP-2000; 2000US-0211966.
 PR 14-SEP-2000; 2000US-0223397.
 PR 14-SEP-2000; 2000US-0223399.
 PR 14-SEP-2000; 2000US-0223400.
 PR 14-SEP-2000; 2000US-0224001.
 PR 14-SEP-2000; 2000US-0213064.
 PR 14-SEP-2000; 2000US-0213065.
 PR 21-SEP-2000; 2000US-0214274.
 PR 21-SEP-2000; 2000US-0214274.
 PR 25-SEP-2000; 2000US-0224997.
 PR 25-SEP-2000; 2000US-0224998.
 PR 27-SEP-2000; 2000US-0225834.
 PR 27-SEP-2000; 2000US-0225836.
 PR 29-SEP-2000; 2000US-0216357.
 PR 29-SEP-2000; 2000US-0216357.
 PR 29-SEP-2000; 2000US-0216369.
 PR 29-SEP-2000; 2000US-0216369.
 PR 02-OCT-2000; 2000US-0216502.
 PR 02-OCT-2000; 2000US-0217038.
 PR 02-OCT-2000; 2000US-0217038.
 PR 02-OCT-2000; 2000US-0217040.
 PR 13-OCT-2000; 2000US-0219325.
 PR 20-OCT-2000; 2000US-0219350.
 PR 20-OCT-2000; 2000US-0219350.
 PR 20-OCT-2000; 2000US-0211221.

PR 20-OCT-2000; 2000US-0241766.
 PR 20-OCT-2000; 2000US-0241766.
 PR 20-OCT-2000; 2000US-0241809.
 PR 20-OCT-2000; 2000US-0241826.
 PR 08-NOV-2000; 2000US-0246671.
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 PR 08-NOV-2000; 2000US-0246675.
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 PR 08-NOV-2000; 2000US-0246523.
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 PR 08-NOV-2000; 2000US-0246526.
 PR 08-NOV-2000; 2000US-0246526.
 PR 08-NOV-2000; 2000US-0246527.
 PR 08-NOV-2000; 2000US-0246527.
 PR 08-NOV-2000; 2000US-0246532.
 PR 08-NOV-2000; 2000US-0246532.
 PR 08-NOV-2000; 2000US-0246659.
 PR 08-NOV-2000; 2000US-0246659.
 PR 08-NOV-2000; 2000US-0246610.
 PR 08-NOV-2000; 2000US-0246610.
 PR 08-NOV-2000; 2000US-0246613.
 PR 17-NOV-2000; 2000US-0249207.
 PR 17-NOV-2000; 2000US-0249207.
 PR 17-NOV-2000; 2000US-0249208.
 PR 17-NOV-2000; 2000US-0249208.
 PR 17-NOV-2000; 2000US-0249210.
 PR 17-NOV-2000; 2000US-0249210.
 PR 17-NOV-2000; 2000US-0249211.
 PR 17-NOV-2000; 2000US-0249211.
 PR 17-NOV-2000; 2000US-0249213.
 PR 17-NOV-2000; 2000US-0249213.
 PR 17-NOV-2000; 2000US-0249214.
 PR 17-NOV-2000; 2000US-0249214.
 PR 17-NOV-2000; 2000US-0249217.
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 PR 17-NOV-2000; 2000US-0249218.
 PR 17-NOV-2000; 2000US-0249218.
 PR 17-NOV-2000; 2000US-0249245.
 PR 17-NOV-2000; 2000US-0249245.
 PR 17-NOV-2000; 2000US-0249254.
 PR 17-NOV-2000; 2000US-0249254.
 PR 17-NOV-2000; 2000US-0249297.
 PR 17-NOV-2000; 2000US-0249297.
 PR 17-NOV-2000; 2000US-0249359.
 PR 17-NOV-2000; 2000US-0249359.
 PR 17-NOV-2000; 2000US-0249300.
 PR 17-NOV-2000; 2000US-0249300.
 PR 01-DEC-2000; 2000US-0250391.
 PR 01-DEC-2000; 2000US-0250391.
 PR 05-DEC-2000; 2000US-0251030.
 PR 05-DEC-2000; 2000US-0251030.
 PR 05-DEC-2000; 2000US-0251298.
 PR 05-DEC-2000; 2000US-0251298.
 PR 06-DEC-2000; 2000US-0251479.
 PR 06-DEC-2000; 2000US-0251479.
 PR 08-DEC-2000; 2000US-0251856.
 PR 08-DEC-2000; 2000US-0251856.
 PR 08-DEC-2000; 2000US-0251859.
 PR 08-DEC-2000; 2000US-0251859.
 PR 08-DEC-2000; 2000US-0251989.
 PR 08-DEC-2000; 2000US-0251989.
 PR 11-DEC-2000; 2000US-0254059.
 PR 11-DEC-2000; 2000US-0254059.
 PR 05-JAN-2001; 2001US-0259678.

XX (FDA) - HUDAN GENOME SCI INC.
 XX
 PI Rosen Ch, Barish SC, Ruben SN;
 XX WFI; 2001-581633/65.
 UR N-FDSB; ASK45573.
 XX
 XX New isolated nucleic acid encoding a protein for diagnosing
 PI preventing/treating or ameliorating medical conditions and used as
 PI food additives or preservatives -
 XX
 XX Claim 9; SEQ ID No 761; 837pp; English.
 XX
 CC The invention describes an isolated nucleic acid molecule (I) encoding a
 CC novel central nervous system protein. (I) and polypeptides (III) encoded
 CC by (I) and (II) are used for the diagnosis, treatment and prevention of
 CC pathological condition. Disorders which are diagnosed or treated include
 CC autoimmune diseases e.g. Rheumatoid arthritis, hyperproliferative

QY 1 AQTSAVFGLGMAAFIIIVFGSGTSMVSGNSATINRWKEMILAKREFPIV 60
 DB 215 AQTSAVFGLGMAAFIIIVFGSGTSMVSGNSATINRWKEMILAKREFPIV 274
 QY 61 TOLCWPIFVAPKLSLQVEFGITTSWVIGSNALNAPLITLTPFFEMHIF 120
 DB 275 TOLCWPIFVAPKLSLQVEFGITTSWVIGSNALNAPLITLTPFFEMHIF 334
 QY 121 WNTFORSNDGSG 134
 DB 135 WNTFORSNDGSG 348
 RESULT 7
 ID AAY42171 standard; Protein: 722 AA.
 AC AAY42171;
 AT AAY42171;
 XX 20-DEC-1999 (first entry)
 DE Human LGF7 short form protein sequence.
 KW Homo sapiens.
 KM Human: LGF6, LGF5, LGF7, G-protein coupled receptor; gene therapy; extracellular leucine rich repeat region; mapping; identification.
 XX 30-SEP-1999.
 KM W05948921-AL.
 XX 25-MAR-1999; 99NO-US06573.
 XX 26-MAR-1999; 98US-0079501.
 PA (STED) UNIV LEILAND STANFORD JUNIOR.
 PI Haueh AJW, Hsu SY, Liang S, Van Der Spek PJ;
 OR (ORCA) OREGONIAN NV.
 XX WPI: 1999-531074/50.
 DB N-FSDB: AA22346.

New G-protein coupled receptors, useful for identifying their own ligands -

Claim 2; Fig 4; 5pp: English.

The present sequence represents the human G-protein coupled receptor having extracellular leucine rich repeat regions, designated LGF7 short form. The LGF6, LGF5 and LGF7 proteins are used to identify ligands for homologous or related genes, producing compositions that modulate the expression or function of the receptors, gene therapy, mapping functional regions of the receptors, studying associated physiological perturbations, and for producing antibodies, and for identifying biologically active agents. The polypeptides contain a G-protein coupled seven transmembrane domain and extracellular regions. These regions capture and facilitate optimal orientation of its ligand. The proteins are also expressed in diverse tissues.

Query Match: 77.2%; Score 638; DB 20; Length 722;
 Best Local Similarity 94.8%; Pred. No. le-65; 6; Indels 0; Gaps 0;
 Matches 127; Conservative 1; Mismatches 6;
 QY 1 AQTSAVFGLGMAAFIIIVFGSGTSMVSGNSATINRWKEMILAKREFPIV 60
 DB 541 AQTSAVFGLGMAAFIIIVFGSGTSMVSGNSATINRWKEMILAKREFPIV 600

QY 61 TOLCWPIFVAPKLSLQVEFGITTSWVIGSNALNAPLITLTPFFEMHIF 120
 DB 601 TOLCWPIFVAPKLSLQVEFGITTSWVITLPNSALNAPLITLTPFFEMHIF 660
 QY 121 WNTFORSNDGSG 134
 DB 661 WNTFORSNDGSG 674
 RESULT 8
 ID AAY42170 standard; Protein: 757 AA.
 AC AAY42170;
 AT AAY42170;
 XX 20-DEC-1999 (first entry)
 DE Human LGF7 long form protein sequence.
 KW Homo sapiens.
 KM Human: LGF6, LGF5, LGF7, G-protein coupled receptor; gene therapy; extracellular leucine rich repeat region; mapping; identification.
 XX 30-SEP-1999.
 KM W05948921-AL.
 XX 25-MAR-1999; 99NO-US06573.
 XX 26-MAR-1999; 98US-0079501.
 PA (STED) UNIV LEILAND STANFORD JUNIOR.
 PI Haueh AJW, Hsu SY, Liang S, Van Der Spek PJ;
 OR (ORCA) OREGONIAN NV.
 XX WPI: 1999-531074/50.
 DB N-FSDB: AA22346.

New G-protein coupled receptors, useful for identifying their own ligands -

Claim 2; Fig 3; 5pp: English.

The present sequence represents the human G-protein coupled receptor having extracellular leucine rich repeat regions, designated LGF7 long form. The LGF6, LGF5 and LGF7 proteins are used to identify ligands for homologous or related genes, producing compositions that modulate the expression or function of the receptors, gene therapy, mapping functional regions of the receptors, studying associated physiological perturbations, and for producing antibodies, and for identifying biologically active agents. The polypeptides contain a G-protein coupled seven transmembrane domain and extracellular regions. These regions capture and facilitate optimal orientation of its ligand. The proteins are also expressed in diverse tissues.

Query Match: 77.2%; Score 638; DB 20; Length 757;
 Best Local Similarity 94.8%; Pred. No. le-65;
 Matches 127; Conservative 1; Mismatches 6; Indels 0; Gaps 0;
 QY 1 AQTSAVFGLGMAAFIIIVFGSGTSMVSGNSATINRWKEMILAKREFPIV 60
 DB 576 AQTSAVFGLGMAAFIIIVFGSGTSMVSGNSATINRWKEMILAKREFPIV 635

QY 61 TOLCWPIFVAPKLSLQVEFGITTSWVIGSNALNAPLITLTPFFEMHIF 120
 DB 636 TOLCWPIFVAPKLSLQVEFGITTSWVITLPNSALNAPLITLTPFFEMHIF 695

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08 DEC-2000; 2000US-021865
09 DEC-2000; 2000US-021866
08 DEC-2000; 2000US-021869
08 DEC-2000; 2000US-021870
08 DEC-2000; 2000US-021900
08 DEC-2000; 2000US-024057
11 DEC-2000; 2000US-024057
05 JAN-2001; 2001US-025976
      (DNA->) HUMAN GENOM SCI INC.
XX
XX Rosen CX, Barash SC, Ruben SH;
XX WPI: 2001-48877/53.
XX NR-FSDS: AA528950.
XX Isolated polypeptide and nucleic acid molecules for treating,
XX preventing and/or prognosing disorders related to uterine motility
XX e.g. disorders associated with pregnancy and the menstrual cycle -
XX
XX Claim 11; SEQ ID NO 84, 524ppr: English.
XX
XX The present invention relates to the isolation of novel human
XX endocrine sequences encoding for these polypeptides.
XX The sequences of the invention are useful in the diagnosis,
XX treatment, prevention and/or prognosis of diseases associated
XX with uterine motility disorders. The polynucleotide sequences of the invention are also
XX useful in gene therapy. AM018094-AM018132 represent novel human
XX ovarian motility-related data for this patent did not set part of the PIGO
XX specification, but was obtained in electronic format directly from the WHO
XX at tip.wipo.int/pub/published_pat_sequences.
XX
XX Query Match: 76.54; Score 932; %g 22; Length 176;
XX Similarity: 76.54; %id 24; %m 7; Indels 0; Gaps 0;
XX Matches 126; Conservative 1; Mismatches 7;
0y 1 AQTWVLAIGATINAAITLVYSGSP-SYWGAS-TATETRNKVKSLARAFFVI 60
0y 1 AQTWVLAIGATINAAITLVYSGSP-SYWGAS-TATETRNKVKSLARAFFVI 60
0y 61 TAACTGCPWPVFAISALAVNGTTSNVVTITLNSLNLTUTTFETNTHRE 120
0y 61 TAACTGCPWPVFAISALAVNGTTSNVVTITLNSLNLTUTTFETNTHRE 120
0y 121 WTNRFGKRSNGSQ 134
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0y 122 WTNRFGKRSNGSQ 134
0y 122 WTNRFGKRSNGSQ 134
XX
XX RESSETUIT 15
XX ADAIL8344
XX ID: ADAIL8344 standard; Proteins: 176 aa.
XX AC: AA018344;
XX NC:
XX XX 21.NOV-2001 (first entry)
XX
XX Human endocrine polypeptide SEQ ID NO 299.
XX
XX Endocrine protein; human; mouse; rabbit; goat; horse; food additive;
XX cat; dog; chicken; sheep; immunosuppressive; antithrptic; vasotropic;
XX antihemmatic; antiproliferative; cyostatic; cardiant; neuroprotective;
XX cerebroprotective; motropic; antihaccerial; virude; antimetabolic; cancer;
XX hyperproliferative disorder; breast liver; cardiovascular disorder;
XX cerebrovascular disorder; nervous system disorder; bacterial infection;
XX fungal infection; viral infection; ocular disorder; endocrine disorder;
XX wound healing; skin aging; organ transplantation; food preservative;

```

tissue regeneration; anti-infertility.

Hom sapiens.

00200155364-12

02-211C-2001

17-T&W-2001, 2001W0-050130A

31-72M-2000: 2000MS-0170065

04-FEB-2000; 2000US-0180628.
24-FEB-2000; 2000US-0181654

02-MAR-2000; 2000US-0186350.

17-MAR-2000; 2000US-0190075.

19-MAY-2000; 2000US-0205515.

28-JUN-2000; 2000US-0214886.

07-JUL-2000; 2000US-0216647.

21-JUL-2000; 2000US-0217487.

14-JUL-2000; 2000US-0218290.

26-JUL-2000; 2000US-0220964.

14-AUG-2000; 2000US-0224519.

14-AUG-2000; 2000US-0225214.

14-AUG-2000; 2000US-0225267.

14-AUG-2000; 2000US-0225270.

14-AUG-2000; 2000US-0225757.

14-AUG-2000; 2000US-0225759.

22-AUG-2000; 2000US-0226681.

22-AUG-2000; 2000US-0227182.

23-AUG-2000; 2000US-0227009;
30-AUG-2000; 2000US-0228924;

01-SEP-2000; 2000US-0229287;
01-SEP-2000; 2000US-0229343.

01-SEP-2000; 2000US-0229344;
01-SEP-2000; 2000US-0229345;

05-SEP-2000; 2000US=0229509;
05-SEP-2000; 2000US=0229513

06-SEP-2000; 2000S-0230437.
06-SEP-2000; 2000S-0230439

08-SEP-2000; 2000US-0231242.
08-SEP-2000; 2000US-0231243

08-SEP-2000; 2000US-0231244.
08-SEP-2000; 2000US-0231413

08-SEP-2000; 2000US-0231414.
08-SEP-2000; 2000US-0232080.

08-SEP-2000; 2000US-0232081.

14-SEP-2000; 2000US=0232397.

14-SEP-2000; 2000US-0232399.

14-SEP-2000; 2000US-0232401.

14-SEP-2000; 2000US-0233064.

21-SEP-2000; 2000US-0234223.

25-SEP-2000; 2000US-0234997.

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; GENERAL INFORMATION:
; APPLICANT: 177th Courette-Stamm et al
; TITLE OF INVENTION: EPIDERMIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: CFC-007
; CURRENT APPLICATION NUMBER: US/09/134,016
; CURRENT FILING DATE: 1998-09-14
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 1232
; SEQ ID NO 1233
; SEQ ID NO 1237
; TYPE: DNA
; ORGANISM: Staphylococcus epidermidis
; STRAIN:
; NAME/KEY: unsure
; LOCATION: (16)
; OTHER INFORMATION: Identity of nucleotide at the above locations are unknown.
US-09-134-016C-1132

Query Match      8.0%  Score 37.8; DB 4; Length 1557;
Identical Similarity  4.7%  Ident. No: 0.5;
Matches 15; Conservatio 0; Mismatches 62; Indels 0; Gaps 0;

Oy 337 TTAAAGGAAAGTATCGCTTTGGTACATACACAGAGAAATCTAGCAGCC 396
Db 1293 TCCACGAGTATTTCTGTTTGTGGATACACAGCGATGCTATGACG 1234

Oy 397 AAGGATTCAGAAACATCTCATCTCTGGGGGAATGTGGCAGCTCAGG 456
Db 1233 AATGATATCTCGAATTTCTCAATTAATTTTCTCAATGCTGATCTCAT 1174

Oy 457 AAGGCACTCGATTA 473
Db 1173 AATGGCTGATGATCA 1137

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Search completed: September 25, 2003, 13:59:13
 Job time : 59 secs

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-526-5197

TELEFAX: 202-737-9928

INVENTOR: 248613 ID NO: 18:

SEQUENCE CHARACTERISTICS:

LENGTH: 370 amino acids

STRANDS: none

TOPOLOGY: linear

MOLECULE TYPE: peptide

PCT:US95-06526-18

Query Match: 16.5% Score 136; DB 5; Length 370;

Best Local Similarity: 28.5%; Pred. No. 8,le-07;

Matches 39; Conservative 24; Mismatches 50; Idents 24; Gaps 5;

Oy 2 OTISVAIFGIMAAFIIVFGISFV-----HQAATINRWKMLAR 53

Db 178 RVIVARETALGKWKNG-NKSLRLHWSKNHRLSLFANGNPFSSIAIK 236

Oy 54 REF-----IFFDANPIFVAPCL--QVEPQTTSVVGISNKA 100

Db 237 LFPSRSKKAATLIGVOMLQPPFLALPUSLSLAPNATKMPVGLT--FNC 294

Oy 101 LPIVLTGTFKFM 117

Db 295 LPIVTSKFRAL 311

RESULT 7

US-07-757-3420-3

Sequence 3, Application US/0757342D

Patent No. 6218509

GENERAL INFORMATION:

APPLICANT: IGARASHI, Masao

MINOUEISHI, Takashi

TITLE OF INVENTION: PROTEIN, DNA AND USE THEREOF

NUMBER OF SEQUENCES: 10

CORRESPONDENCE ADDRESSES:

ADDRESSEE: DAVID G. COMLIN, DIKE, BRONSTEIN, ROBERTS &

CUSHMAN

STREET: 130 Water Street

CITY: Boston

STATE: Massachusetts

COUNTRY: US

ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/757,342D

FILING DATE: 10-Sep-1991

CLASSIFICATION: G06F01/00

CLASSIFICATION: G06F01/00

ATTORNEY/AGENT INFORMATION:

REFERENCE NUMBER: 41226

REGISTRATION NUMBER: 31003

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617)523-3400

TELEX: 200291 STRE UR

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE LENGTH: 700 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 3:

US-07-757-3420-3

Query Match: 16.3% Score 134; DB 3; Length 700;

Best Local Similarity: 27.3%; Pred. No. 2,9e-06;

Matches 34; Conservative 31; Mismatches 48; Idents 12; Gaps 4;

Oy 1 MOISVAIFGIMAAFIIVFGISFVHGSAATINRWKMLARFFIVE 60

Db 528 SVVITLTL-LNVAFVCIQCIITFVQVETAP-----NQDTAKMALIF 580

Oy 61 TDAICHIPI-FVAPSLQVETFCITTSVVGISNKAALPIVLTGTFPFE--- 115

Db 581 DTTCAPISFPAISAAKPVLYITNSKILLVTFNCSNPFIAITKATQKFL 640

Oy 116 MHF 120

Db 641 LSNF 645

RESULT 8

US-07-757-3420-8

Sequence 8, Application US/0757342D

Patent No. 6218509

GENERAL INFORMATION:

APPLICANT: IGARASHI, Masao

MINOUEISHI, Takashi

TITLE OF INVENTION: PROTEIN, DNA AND USE THEREOF

NUMBER OF SEQUENCES: 10

CORRESPONDENCE ADDRESSES:

ADDRESSEE: DAVID G. COMLIN, DIKE, BRONSTEIN, ROBERTS &

CUSHMAN

STREET: 130 Water Street

CITY: Boston

STATE: Massachusetts

COUNTRY: US

ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/757,342D

FILING DATE: 10-Sep-1991

CLASSIFICATION: G06F01/00

CLASSIFICATION: G06F01/00

ATTORNEY/AGENT INFORMATION:

REFERENCE NUMBER: 41226

REGISTRATION NUMBER: 31003

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617)523-3400

TELEX: 200291 STRE UR

INFORMATION FOR SEQ ID NO: 8:

SEQUENCE LENGTH: 700 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 8:

US-07-757-3420-8

Query Match: 15.9% Score 131; DB 3; Length 611;

Best Local Similarity: 25.9%; Pred. No. 5,9e-06;

Matches 34; Conservative 25; Mismatches 48; Idents 8; Gaps 3;

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Db 436 SVVITLTL-LNVAFVCIQCIITFVQVETAP-----NQDTAKMALIF 488

Oy 61 TDAICHIPI-FVAPSLQVETFCITTSVVGISNKAALPIVLTGTFPFE 114

Db 489 DTTCAPISFPAISAAKPVLYITNSKILLVTFNCSNPFIAITKATQ 543

RESULT 14

US-08-795-876-2
 ; Sequence 2, Application US/0875876
 ; Patent No. 5403305
 ; INVENTOR INFORMATION:
 ; APPLICANT: Garshagoren, Harvib C.
 ; APPLICANTS: Garas-Raaka, Elizabeth
 ; INVENTION INFORMATION:
 ; TITLE OF INVENTION: TRANS-TOXIC DRUGS FOR G PROTEIN
 ; TITLE OF INVENTION: COUPLED RECEPTORS
 ; NUMBER OF SEQUENCES: 14
 ; SEQUENCE INFORMATION:
 ; ADDRESSES: NIXON, HARGRAVE, DYKENS & DOYLE LLP
 ; STREET: Clinton Square, P.O. Box 1051
 ; CITY: Rochester
 ; STATE: New York
 ; COUNTRY: USA

ZIP: 14603
 COMPUTER: READABLE FORM
 MEDIUM TYPE: 5 1/4 disk
 OPERATING SYSTEM: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 CURRENT APPLICATION DATA: Version 11.30
 APPLICATION NUMBER: US/08795-876
 FILING DATE: 07-JUN-1995
 FILING DATE: 07-JUN-1995

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/670,085
 FILING DATE: 07-JUN-1995
 INVENTOR INFORMATION:
 NAME: WILLIAMS, Stephen P.
 REGISTRATION NUMBER: 28346
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 723-1300
 TELEFAX: (617) 723-8923
 INVENTOR CHARACTERISTICS:
 LENGTH: 695
 MOLECULE TYPE: protein
 FEATURE:
 IDENTIFICATION METHOD: hydrophobic
 LOCATION: 17 to 31
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 436 amino acids
 STRANDNESS: not relevant
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-08-795-876-2

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 Match Local Similarity 25.14; Offset: No. 1,446-59; Indels 33; Gaps 6;

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 QY 268 SGLVAGSLVAVGVVGGVTHLVYLVNINSS-----SGLVAVNRMILIP 320
 QY 51 TNLCHPTVFWAPSLQVLEPGFTGTVSYGVAINSLMPLVTRFK-----114
 QY 321 TELCHAPPSFASLSLVNLSKALVLFPIINCPAFIAITKNSGFT 380
 QY 115 -----SGLVAVNRMILIP 320
 QY 381 LLSKCCGVCAQAT--YHTSTSTV-----HNTFNGHC 413

RESULT 15

US-08-487-886-2
 ; Sequence 2, Application US/0848786
 ; Patent No. 5403305
 ; INVENTOR INFORMATION:
 ; APPLICANT: Kelton, Christie Ann
 ; APPLICANTS: Schweichardt, Rene Lynn
 ; INVENTION INFORMATION:
 ; TITLE OF INVENTION: Human Pollicle Stimulating
 ; TITLE OF INVENTION: Hormone Receptor
 ; NUMBER OF SEQUENCES: 2

CORRESPONDENCE ADDRESS: Williams,
 ADDRESS: Area-Serono, Inc.
 STREET: Exchange Place, 37th floor
 CITY: Boston
 COUNTRY: USA
 ZIP: 02109
 COMPUTER: READABLE FORM
 MEDIUM TYPE: 5 1/4 diskette, 1.44 MB, high density
 OPERATING SYSTEM: IBM PS/2, model 55 SX
 OPERATING SYSTEM: MS-DOS version 4.0
 CURRENT APPLICATION DATA: via Kermit to IBM MS-DOS
 APPLICATION NUMBER: US/08487-886
 FILING DATE: 07-JUN-1995
 FILING DATE: 07-JUN-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/670,085
 FILING DATE: 07-JUN-1995
 INVENTOR INFORMATION:
 NAME: WILLIAMS, Stephen P.
 REGISTRATION NUMBER: 28346
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 723-1300
 TELEFAX: (617) 723-8923
 INVENTOR CHARACTERISTICS:
 LENGTH: 695
 MOLECULE TYPE: protein
 FEATURE:
 IDENTIFICATION METHOD: hydrophobic
 LOCATION: 17 to 31
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 436 amino acids
 STRANDNESS: not relevant
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-08-487-886-2

GenCore version 5.1.6
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ON protein - protein search, using sw model

Run on: September 25, 2003, 15:00:41; Search time 64 seconds
371,115 million call updates/sec

File: US-10-049-568-2

Sequence: 1 AQTIVAFILGKLAATII.....BMHSHSGGKCHRSLS 157

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Gap: 11.0, Gapext 0.5

Search: 56694 seqs, 131307093 residues

Total number of hits satisfying chosen parameters: 56694

Minimum db seq length: 0

Maximum db seq length: 2000000000

Post-processing: Minimum Match 04

Maximum Match 100%

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32: /csp2_5/prodata/hubpaa/US37_PUB.PEP*

33: /csp2_5/prodata/hubpaa/US38_PUB.PEP*

34: /csp2_5/prodata/hubpaa/US39_PUB.PEP*

35: /csp2_5/prodata/hubpaa/US40_PUB.PEP*

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20 392.5 47.5 646 10 US-09-528-175-13 Sequence 7, Appl
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ALIGNMENTS

US-10-073-885-69
US-10-073-885-69
Application US10073885
GENERAL INFORMATION: 1: MIMAT00393040
APPLICANT: Rosen et al.
FILE EXTENSION: PISCAC
CURRENT APPLICATION NUMBER: US10073885
CURRENT FILING DATE: 2002-02-14
NUMBER OF SEQ NO: 116
SOFTWARE: Patent Ver. 2.0
SEQ ID NO 69
TYPE: PRT
ORGANISM: Homo sapiens
US-10-073-885-69

Best Local Similarity 77.2%; Score 638; DB 15; Length 188;
Matches 17; Conservative 1; Mismatches 6; Indels 0; Gaps 0;
QY 1 ACTIVAFILGKLAATIIIVSGSVESGASITETEDVKNELAKREFFIV 60
Db 7 ACTIVAFILGKLAATIIIVSGSVESGASITETEDVKNELAKREFFIV 66
QY 61 TALCNFFPFAELVALLQVPTTSVWYIGTSANGLANLITVITTFPKSMIRE 120
Db 67 TALCNFFPFAELVALLQVPTTSVWYIGTSANGLANLITVITTFPKSMIRE 126
QY 121 WNTFQKDSKSG 134
Db 127 WNTFQKDSKSG 140
QY 2
Db 2
US-09-635-686-4

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Length	Ref ID	Description
1	638	77.2	188 15	US-10-073-885-69 Sequence 69, Appl
2	638	77.2	395 10	US-09-995-686-4 Sequence 4, Appl
3	638	77.2	395 10	US-09-995-686-4 Sequence 4, Appl
4	638	77.2	737 15	US-10-225-507A-623 Sequence 623, Appl
5	632	76.5	176 9	US-09-764-853-557 Sequence 557, Appl
6	632	76.5	176 10	US-09-764-877-2009 Sequence 2009, R
7	632	76.5	176 10	US-09-764-877-2009 Sequence 2009, R
8	632	76.5	176 12	US-09-764-886-62 Sequence 82, Appl
9	632	76.5	176 15	US-10-073-865-84 Sequence 84, Appl
10	632	76.5	176 15	US-10-073-865-84 Sequence 84, Appl
11	632	76.5	176 15	US-10-103-313-373 Sequence 373, Appl
12	632	76.5	176 15	US-10-103-313-373 Sequence 373, Appl
13	632	76.5	718 10	US-09-928-175-21 Sequence 21, Appl
14	632	76.5	737 10	US-09-928-175-20 Sequence 20, Appl
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Sequence 4, Application US/09695686
Patent No. US2002010655A1
GENERAL INFORMATION:
APPLICANT: Bandman, Olga
INVENTOR: Bandman, Olga
APPLICANT: Tang, Y. Ton
APPLICANT: Baughn, Mariah R.
TITLE OF INVENTION: HUMAN GPCR PROTEINS
CURRENT FILING DATE: US/09/695,686
PRIOR FILING DATE: 2001-06-28
NUMBER OF SEQ ID NOS: 74
SOFTWARE: Patent In. Program
SEQ ID NO 4
LENGTH: 336
ORGANISM: Homo sapiens
FEATURES:
NAME/KEY: misc-feature
VALUE:
DESCRIPTION: Inocyte ID No. US2002010655A1 2488822DU
US-09-895-486-4
Query Match
Best Local Similarity 77.24; Score 638; DB 10; Length 757;
Matches 127; Conservative 1; Mismatches 6; Indels 0; Gaps 0;
QY 1 AQTSTVAIFGILNAAFIIVFSGNFTSVGSAATATETINOVKKNILAKRFPIV 50
DB 215 AQTSTVAIFGILNAAFIIVFSGNFTSVGSAATATETINOVKKNILAKRFPIV 274
QY 61 TDLACHIPFVPAKSLQVLEIPIGTISVWIGTSAINSLAPILYLTITTPFKEMHP 120
DB 275 TDLACHIPFVPAKSLQVLEIPIGTISVWIGTSAINSLAPILYLTITTPFKEMHP 334
QY 121 WNTNRQKSDSG 134
DB 335 WNTNRQKSDSG 348
RESULT 3
US-09-928-175-24
Sequence 4, Application US/09928175
Patent No. US2002023618A1
GENERAL INFORMATION:
APPLICANT: Bousherty, Betsy
APPLICANT: Bousherty, Betsy
APPLICANT: Rogers, No. US2002023618A1
TITLE OF INVENTION: Uses thereof
FILE REFERENCE: 00-1229
CURRENT FILING DATE: US/09/928,175
PRIOR FILING DATE: 2001-08-24
CURRENT APPLICATION NUMBER: 60/424,455
PRIOR FILING DATE: 2000-09-10
SOFTWARE: Patent In. Ver. 2.0
SEQ ID NO 24
LENGTH: 757
ORGANISM: Homo sapiens
US-09-928-175-24
Query Match
Best Local Similarity 77.24; Score 638; DB 10; Length 757;
Matches 127; Conservative 1; Mismatches 6; Indels 0; Gaps 0;
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US-09-928-175-24
Sequence 4, Application US/09964853
Patent No. US2002009672A1
GENERAL INFORMATION:
APPLICANT: Bousherty, Betsy
APPLICANT: Bousherty, Betsy
APPLICANT: Rogers, No. US2002009672A1
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: P1006
CURRENT FILING DATE: US/09/764,853
PRIOR FILING DATE: 2001-03-07
SOFTWARE: Patent In. Ver. 2.0
SEQ ID NO 57
LENGTH: 176
ORGANISM: Homo sapiens
US-09-928-175-24
Query Match
Best Local Similarity 76.58; Score 632; DB 9; Length 176;
Matches 126; Conservative 1; Mismatches 7; Indels 0; Gaps 0;
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DB 576 AQTSTVAIFGILNAAFIIVFSGNFTSVGSAATATETINOVKKNILAKRFPIV 635
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DB 61 TDLACHIPFVPAKSLQVLEIPIGTISVWIGTSAINSLAPILYLTITTPFKEMHP 120

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[illegible]

RESULT 9

177453

Luteinizing hormone/chorionic gonadotropin receptor - rat
C:Species: status exp. [rat]
C:Accession: 177463 sequence_revision 02-Aug-1998 feat_change 21-Jan-2000
R:Aatusank, J.T.; Pietila, E.M.; Lakkakorpi, J.T.; Rajanemi, H.J.
Mol. Cell. Endocrinol., 84, 127-135, 1992
NOTE: The gene for rat ovarian tissue is regulated by an
A:Accession: 177463
A:Status: preliminary
A:Title: LHCGR
A:Residues: 1-700 «RES»
A:Cross-references: MD:q52163; PID:MAG24860.1; PID:q52164
S:Genbank 18/2, 107/2, 132/2, 157/2, 183/2, 206/2, 231/2, 269/2, 370/2
C:Superfamily: glycoprotein hormone receptors; leucine-rich alpha-2-glycosylprotein repeat R

[illegible]

A.Molecule type: protein
A.Residues: 27-33, 'X', 35-37, 'X', 39, 'X', 41-44 <RFP>
A.Synonyms: alpha-2-macroglobulin receptor
J.Biol.Chem. 264, 4635-4641, 1989
A.Article: Publication characterization, and amino-terminal sequence of rat ovarian r
macroglobulin receptor A2460; MIDB:5914723; PMID:2925559
A.Accession: A2460
A.Crossref: A2460
A.Molecule type: protein
A.Residues: 27-33, 'IX', 35-37 <RCC>
A.Antigens: 58/2, 107/2, 132/2, 157/2, 183/2, 206/2, 231/2, 283/2, 320/2
A.Superfamily: glycosaminoglycan receptor; leucine-rich, alpha-2-macroglobulin repea
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P.45-17/Gene: leucine-rich alpha-2-macroglobulin repeat motif d1881

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1 NAME/REV, SITE
2 LOCATION: (133)
3 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-886-52

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Matches 126; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

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DB 1 AQTVAALFGLNAAALTIIVSGSYFVSQSGATATATENOVKEMIAKEFFIYF 60
QY 61 TDAICWPIFVAKPLQVETIGTISNMYGYSALNGLVLTITPFEKMEHF 120
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US-09-764-886-54
1 Sequence 84, Application US/10073865
2 Publication No. US20030044904A1
3 APPLICANT: BIONTEC et al.
4 TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
5 FILE REFERENCE: P0109C1
6 CURRENT PILING DATE: 2002-02-11
7 PRIOR APPLICATION REMOVED - See file Wrapper or Palm
8 NUMBER OF SEQ ID NOS: 154
9 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-073-865-84
1 SEQ ID NO 84
2 LENGTH: 176
3 TYPE: PPT
4 ORGANISM: Homo sapiens
5 FEATURE:
6 NAME/REV: misc_feature
7 LOCATION: (133)
8 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-073-865-84

Query Match
Best Local Similarity 94.0%; Pred. No. 9e-62;
Matches 126; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

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DB 1 AQTVAALFGLNAAALTIIVSGSYFVSQSGATATATENOVKEMIAKEFFIYF 60
QY 61 TDAICWPIFVAKPLQVETIGTISNMYGYSALNGLVLTITPFEKMEHF 120
DB 61 TDAICWPIFVAKPLQVETIGTISNMYGYSALNGLVLTITPFEKMEHF 120
QY 121 WNTNRKSDSG 134
DB 121 WNTNRKSDSG 134

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US-10-073-873
1 Sequence 84, Application US/10073865
2 Publication No. US20030044904A1
3 APPLICANT: BIONTEC et al.
4 TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
5 FILE REFERENCE: P0109C1
6 CURRENT PILING DATE: 2002-02-11
7 PRIOR APPLICATION REMOVED - See file Wrapper or Palm
8 NUMBER OF SEQ ID NOS: 154
9 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-073-865-84

Query Match
Best Local Similarity 76.5%; Score 632; DB 15; Length 176;
Matches 126; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

QY 1 AQTVAALFGLNAAALTIIVSGSYFVSQSGATATATENOVKEMIAKEFFIYF 60
DB 1 AQTVAALFGLNAAALTIIVSGSYFVSQSGATATATENOVKEMIAKEFFIYF 60
QY 61 TDAICWPIFVAKPLQVETIGTISNMYGYSALNGLVLTITPFEKMEHF 120
DB 61 TDAICWPIFVAKPLQVETIGTISNMYGYSALNGLVLTITPFEKMEHF 120
QY 121 WNTNRKSDSG 134
DB 121 WNTNRKSDSG 134

RESULT 10
US-10-073-873
1 Sequence 84, Application US/10073865
2 Publication No. US20030044904A1
3 APPLICANT: BIONTEC et al.
4 TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
5 FILE REFERENCE: P0109C1
6 CURRENT PILING DATE: 2002-02-11
7 PRIOR APPLICATION REMOVED - See file Wrapper or Palm
8 NUMBER OF SEQ ID NOS: 154
9 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-073-865-84

Query Match
Best Local Similarity 94.0%; Pred. No. 9e-62;
Matches 126; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

QY 1 AQTVAALFGLNAAALTIIVSGSYFVSQSGATATATENOVKEMIAKEFFIYF 60
DB 1 AQTVAALFGLNAAALTIIVSGSYFVSQSGATATATENOVKEMIAKEFFIYF 60
QY 61 TDAICWPIFVAKPLQVETIGTISNMYGYSALNGLVLTITPFEKMEHF 120
DB 61 TDAICWPIFVAKPLQVETIGTISNMYGYSALNGLVLTITPFEKMEHF 120
QY 121 WNTNRKSDSG 134
DB 121 WNTNRKSDSG 134

RESULT 12
US-09-928-175-21
1 Sequence 21, Application US/9928175
2 Publication No. US20030125161A1

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1 Prior Application removed - See File Wrapper or Palm
2 SOFTWARE: BionteCin Ver. 2.0
3 SEQ ID NO 373
4 LENGTH: 176
5 ORGANISM: Homo sapiens
6 FEATURE:
7 NAME/REV: misc_feature
8 LOCATION: (133)
9 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-103-313-373

Query Match
Best Local Similarity 94.0%; Pred. No. 9e-62;
Matches 126; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

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DB 1 AQTVAALFGLNAAALTIIVSGSYFVSQSGATATATENOVKEMIAKEFFIYF 60
QY 61 TDAICWPIFVAKPLQVETIGTISNMYGYSALNGLVLTITPFEKMEHF 120
DB 61 TDAICWPIFVAKPLQVETIGTISNMYGYSALNGLVLTITPFEKMEHF 120
QY 121 WNTNRKSDSG 134
DB 121 WNTNRKSDSG 134

RESULT 11
US-09-928-175-21
1 Sequence 21, Application US/9928175
2 Publication No. US20030096346A1
3 APPLICANT: BIONTEC et al.
4 TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
5 FILE REFERENCE: P0109C1
6 CURRENT APPLICATION NUMBER: US/10073865
7 PRIOR APPLICATION REMOVED - See file Wrapper or Palm
8 NUMBER OF SEQ ID NOS: 116
9 SOFTWARE: Patent Ver. 2.0
10 LENGTH: 176
11 TYPE: PPT
12 ORGANISM: Homo sapiens
13 FEATURE:
14 NAME/REV: misc_feature
15 LOCATION: (133)
16 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-073-865-96

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Matches 126; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

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DB 1 AQTVAALFGLNAAALTIIVSGSYFVSQSGATATATENOVKEMIAKEFFIYF 60
QY 61 TDAICWPIFVAKPLQVETIGTISNMYGYSALNGLVLTITPFEKMEHF 120
DB 61 TDAICWPIFVAKPLQVETIGTISNMYGYSALNGLVLTITPFEKMEHF 120
QY 121 WNTNRKSDSG 134
DB 121 WNTNRKSDSG 134

RESULT 12
US-09-928-175-21
1 Sequence 21, Application US/9928175
2 Publication No. US20030125161A1

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; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 50/171,300
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 50/181,749
; REMAINING PRIOR APPLICATION DATA REMOVED - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 133
; SOFTWARE: Patent version 3.0
; COMPLETION DATE: 2003-09-25
; LENGTH: 355
; TYPE: PRT
; ORGANISM: Homo sapiens
DS-10-321-807-13
Query Match      47.5% Score 392.5; DS 12; Length 355;
Matched Residues 131; Positives 146-55;
Matches 75; Conservative 25; Mismatches 26; Indels 1; Gaps 1;

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Ds      190 YSAGTGLGNLAPLIVTSQMTFVHGSNTATETRNQVKEMILACRFFVITDA 249
Qy      64 LCHPTFANSLSLQWITGTSRWYQYSAINSLNLTITTRPKSMIRFNM 123
Ds      250 LCHPTFANSLSLQWITGTSRWYQYSAINSLNLTITTRPKSMIRFNM 309
Qy      124 YQKSN 130
Ds      : 111:
Ds      310 H-QRASI 315

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Search completed: September 25, 2003, 15:10:13
 Job time : 65 secs


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Db 556 50VTLITLIPGEGLANVATLIGKCYKITFAVDFELMAT-----NUTYIAKKN 449
Qy 56 5FTVTDLCMTIPVAPISLQVE-----IGTIGWVIGSAINSMPLITL 108
Db 650 AVLITDPCALIGQOIFSAIGALAVLITVNSVLLVFPVNSCAFFLAI 705
Qy 109 TPTPKKHPHFRVRSKMSGKIKKIMHSSCKOR 150
Db 710 FTAJFEB-----DPTGSGFELLKSGCKE 736

RESULT 2
US-07-757-342D-4
/ Sequence 4, Application US/07/757342D
/ Patent No. 6218509
/ GENERAL INFORMATION:
/ APPLICANT: IGARASHI, Masao
/ INVENTOR: KANEISHI, Takashi
/ TITLE OF INVENTION: PROTEIN, DNA AND USE THEREOF
/ NUMBER OF SEQUENCES: 10
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: DAVID G. CONLIN; DIKE, BRONSTEIN, ROBERTS &
/ CUSMAN
/ STREET: 130 Water Street
/ CITY: Boston
/ STATE: Massachusetts
/ COUNTRY: US
/ ZIP: 02109
/ COMPUTER REAMABLE FORM:
/ MEDIUM TYPE: floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/07/757,342D
/ FILING DATE: 10-Sep-1991
/ PUBLICATION DATE: 04-Dec-1991
/ NAME: BUCKLEY, Linda M.
/ REGISTRATION NUMBER: 31003
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (617)523-3400
/ TELEFAX: (617)523-6440
/ TELEX: 200291 STRE UR
/ INFORMATION FOR SEQ ID NO: 1:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 696 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ SOURCE: BUCKLEY, Linda M.
/ SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-07-757-342D-5
Query Match 17.04; Score 140.5; DB 3; Length 656;
Best Local Similarity 27.24; Pred. No. 5.6e-07;
Matches 41; Conservative 26; Mismatches 55; Indels 29; Gaps 4;
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Db 534 50VTLITLILNVAFLAVLPQITISVWVIGSAINSMPLITLTPPEMIR 576
Qy 61 TDLACMTPI-FVAKFASLLQVEPQITISVWVIGSAINSMPLITLTPPEMIR 115
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RESULT 3
US-07-757-342D-6
/ Sequence 6, Application US/07/757342D
/ Patent No. 6218509
/ GENERAL INFORMATION:
/ APPLICANT: IGARASHI, Masao
/ INVENTOR: KANEISHI, Takashi
/ TITLE OF INVENTION: PROTEIN, DNA AND USE THEREOF
/ NUMBER OF SEQUENCES: 10
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: DAVID G. CONLIN; DIKE, BRONSTEIN, ROBERTS &
/ CUSMAN
/ STREET: 130 Water Street
/ CITY: Boston
/ STATE: Massachusetts
/ COUNTRY: US
/ ZIP: 02109
/ COMPUTER REAMABLE FORM:
/ MEDIUM TYPE: floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/07/757,342D
/ FILING DATE: 10-Sep-1991
/ PUBLICATION DATE: 04-Dec-1991
/ NAME: BUCKLEY, Linda M.
/ REGISTRATION NUMBER: 31003
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (617)523-3400
/ TELEFAX: (617)523-6440
/ TELEX: 200291 STRE UR
/ INFORMATION FOR SEQ ID NO: 6:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 696 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ SOURCE: BUCKLEY, Linda M.
/ SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-07-757-342D-6
Query Match 15.94; Score 130.5; DB 3; Length 652;
Best Local Similarity 17.34; Pred. No. 7.1e-07;
Matches 47; Conservative 30; Mismatches 60; Indels 35; Gaps 6;
Qy 1 AQTYSVAIFGILHVAFLITVYSIGSYFVSIGSALTRINQVKKILAKRFFIV 60
Db 526 50VTLAVL-LVNLVAFVLCCTCTHYLTVPNTVNS-----SSDTKIAKRAVLI 578
Qy 61 TDLACMTPI-FVAKFASLLQVEPQITISVWVIGSAINSMPLITLTPPEF----- 115
Db 579 TDTQTCAPISFALNVAFLVPLTITVNSVLLVFPVNSCAFFLAIFFAKRFRPI 638
Qy 116 MURF-----HWNTYRKRSKSGIKRKIMHSSCKOR 144
Db 639 LLISCTGQCAQITRTFSSATINFAKSSGSDPTVNSVTVLHNS 650

RESULT 4
US-07-741-458-55
/ Sequence 55, Application US/07/741458A
/ Patent No. 6285597
/ GENERAL INFORMATION:
/ APPLICANT: VASANT, GILBERT
/ INVENTOR: VASANT, GILBERT
/ TITLE OF INVENTION: ACTIVITY, NUCLEIC ACID SEQUENCES CODING FOR SUCH SEQUENCES
/ NUMBER OF SEQUENCES: 1
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: VASANT, GILBERT
/ STREET: 1000 UNIVERSITY AVENUE
/ CITY: CAMBRIDGE
/ STATE: MASSACHUSETTS
/ COUNTRY: USA
/ ZIP: 02138
/ COMPUTER REAMABLE FORM:
/ MEDIUM TYPE: floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/07/757,342D
/ FILING DATE: 10-Sep-1991
/ PUBLICATION DATE: 04-Dec-1991
/ NAME: BUCKLEY, Linda M.
/ REGISTRATION NUMBER: 31003
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (617)523-3400
/ TELEFAX: (617)523-6440
/ TELEX: 200291 STRE UR
/ INFORMATION FOR SEQ ID NO: 6:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 696 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ SOURCE: BUCKLEY, Linda M.
/ SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-07-757-342D-6
Query Match 15.94; Score 130.5; DB 3; Length 652;
Best Local Similarity 17.34; Pred. No. 7.1e-07;
Matches 47; Conservative 30; Mismatches 60; Indels 35; Gaps 6;
Qy 1 AQTYSVAIFGILHVAFLITVYSIGSYFVSIGSALTRINQVKKILAKRFFIV 60
Db 526 50VTLAVL-LVNLVAFVLCCTCTHYLTVPNTVNS-----SSDTKIAKRAVLI 578
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Db 579 TDTQTCAPISFALNVAFLVPLTITVNSVLLVFPVNSCAFFLAIFFAKRFRPI 638
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Db 639 LLISCTGQCAQITRTFSSATINFAKSSGSDPTVNSVTVLHNS 650

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1 PRIOR APPLICATION NUMBER: 60/2316,367
2 PRIOR FILING DATE: 2000-09-29
3 PRIOR APPLICATION NUMBER: 60/2317,039
4 PRIOR FILING DATE: 2000-10-02
5 PRIOR APPLICATION NUMBER: 60/2317,038
6 PRIOR FILING DATE: 2000-10-02
7 PRIOR APPLICATION NUMBER: 60/2316,370
8 PRIOR FILING DATE: 2000-09-29
9 PRIOR APPLICATION NUMBER: 60/2316,802
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12 PRIOR FILING DATE: 2000-10-02
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15 PRIOR APPLICATION NUMBER: 60/240,960
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23 PRIOR APPLICATION NUMBER: 60/246,474
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4 PRIOR APPLICATION NUMBER: 60/231,242
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6 PRIOR APPLICATION NUMBER: 60/232,081
7 PRIOR FILING DATE: 2000-09-08
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REFERENCE/DOCKET NUMBER: 41266
 TELEPHONE: (617)523-1400
 TELEFAX: (617)523-6440
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 699 amino acids
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 FUNCTION: UNKNOWN DESCRIPTION: SEQ ID NO: 2:
 US-07-757-3426-2

Query Match 15.9%; Score 111; DB 3; Length 699;
 Best Local Similarity 26.1%; Pred. No. 1.3e-05;
 Matches 34; Conservative 26; Mismatches 48; Indels 8; Gaps 3;
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 Db 534 SVLLVSL-LVNLAVFLVIGCTTIIYTVFNENVS-----SSQTEAKRMKLL 304
 Oy 61 TDLALCFPT-FVAFKFSLLQVLEPGTISWVSGVSNALNLTITLTFEKF----- 114
 Db 578 TDLALCFPT-FVAFKFSLLQVLEPGTISWVSGVSNALNLTITLTFEKF----- 114
 Oy 61 TDLALCFPT-FVAFKFSLLQVLEPGTISWVSGVSNALNLTITLTFEKF 114
 Db 577 TDTCPAIFFAISPAISKLVPLTVSKILLVFLFNPINCAFFIAITFKNFRFFI 631

RESULT 12
 US-08-795-876-33
 Patent No. 6403105
 GENERAL INFORMATION:
 APPLICANT: Geshengorn, Marvin D.
 APPLICANT: Geshengorn, Marvin C.
 APPLICANT: Gera-Raksh, Elizabeth
 APPLICANT: Nussenzweig, Daniel R.
 TITLE OF INVENTION: STRATEGY TO CLONE DRUGS FOR G PROTEIN
 TITLE OF INVENTION: COUPLED RECEPTORS
 NUMBER OF SEQUENCES: 44
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: NIXON, HARGRAVE, DEVANS & DOYLE LLP
 STREET: Clifton Square, P.O. Box 1051
 CITY: Rochester
 STATE: New York
 COUNTRY: USA
 ZIP: 14603-0504

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 FILING DATE: US/08/795,876
 CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 REGISTRATION NUMBER: 34,103
 TELEPHONE: 716-263-1600
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 423 amino acids
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-08-795-876-33

Query Match 15.3%; Score 125.5; DB 4; Length 420;
 Best Local Similarity 26.1%; Pred. No. 1.3e-05;
 Matches 43; Conservative 30; Mismatches 55; Indels 33; Gaps 6;

Oy 1 AQTIVSLVFLGAINALITVSGMFSVHSUATVTEIRQVKKMLAARFFVIF 60
 Db 253 SVLLVSL-LVNLAVFLVIGCTTIIYTVFNENVS-----SSQTEAKRMKLL 304
 Oy 61 TDLALCFPT-FVAFKFSLLQVLEPGTISWVSGVSNALNLTITLTFEKF----- 114
 Db 305 TDTCPAIFFAISPAISKLVPLTVSKILLVFLFNPINCAFFIAITFKNFRFFI 364
 Oy 113 -----SMHREPHNYSQVMSDMSGKIRKMKLHSSGZKCHC 131
 Db 365 LLSKCOCTENQAI---YETWTSSTV-----HNFPMRHC 397

RESULT 13
 US-08-795-876-38
 Patent No. 6403105
 GENERAL INFORMATION:
 APPLICANT: Geshengorn, Marvin C.
 APPLICANT: Gera-Raksh, Elizabeth
 APPLICANT: Nussenzweig, Daniel R.
 TITLE OF INVENTION: STRATEGY TO CLONE DRUGS FOR G PROTEIN
 TITLE OF INVENTION: COUPLED RECEPTORS
 NUMBER OF SEQUENCES: 44
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: NIXON, HARGRAVE, DEVANS & DOYLE LLP
 STREET: Clifton Square, P.O. Box 1051
 CITY: Rochester
 STATE: New York
 COUNTRY: USA
 ZIP: 14603-0504

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 FILING DATE: US/08/795,876
 CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 REGISTRATION NUMBER: 34,103
 TELEPHONE: 716-263-1600
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 423 amino acids
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-08-795-876-38

Query Match 15.2%; Score 125.5; DB 4; Length 423;
 Best Local Similarity 26.1%; Pred. No. 1.3e-05;
 Matches 43; Conservative 30; Mismatches 55; Indels 33; Gaps 6;

Q7 1 RQISVAIFGJNIAPIIIVSGISQFTSVUGSAITATINNOYKEMILAKFFIYF 60
 DB 524 S0VITLIL-LNVAFFILCQYKIFVAFPEJAM-----NLTZKIKWALLF 576
 Q7 61 TRLAKNPF-FVAREGLAVFEPSTENWYIGSANGAKAPITVITRPFK 114
 DB 577 TDFCQAFIEFFAISKAPVLTIVNSKVLVETVNSCANFELAFKQ 631

Search completed: September 25, 2003, 15:01:39
 Job time : 20 secs

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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RA Kimmel B.E., Kodira C.D., Kraft C., Kravitz S., Kulp D., Lai Z.
RA

RA Jaldil N., Karush F., Karpen G.H., Re Z., Kennison J.A., Ketch
RA Kimmel B.E., Kodira C.D., Kraft C., Kravitz S., Kulp D., Lai Z.
RA

de Philose B., Delcher A., Deng Z., Hays D.A., Dew I.J., Dietz S.K.,
Doddson K., Loup L.E., Davies M., Magan-Rocha S., Dunkov B.C., Dunn P.
Purdie C.J., Evangelista G.C., Ferraz C.G., Ferreira S., Gleasonman W.,
Gong R., Gong Y., Guo J., Guo Y., Guan Y., Harris-Sorensen K.,
Harris N.L., Harvey D., Heiman T.J., Hernandez J.R., Houck J.,
Hostin D., Houston K.A., Howland T.J., Wei M.X., Ikegawa K.M.,
Khalil B.B., Malhotra C., Marpen R., Kozlowski J.O., Leachman K.A.,
Lasko P.F., Lei Y., Levitsky A.A., Li J., Li Z., Liang Y., Lin X.,
Liu X., Mettel G., McIntosh T.C., McLeod M.P., McPherson D.,
Mewius G., Milburn N.V., Mobarry C., Morris J., Mohrfeil A.,
Nelson K.A., Nelson K.A., Nixon E., Nusslein D.R., Peclab V.D., L.L.,
Palazzo M., Pittman G.S., Pan S., Pollard J., Purk V., Reese M.S.,
Reiser K., Remington L., Saunders R.D., Scheeler F., Shen H.,
Shier E., Spradling N.C., Stapleton M., Strong R., Sun E.H.,
Strakos R., Tector C., Turner R., Venter E., Wang A.H., Wang X.,
Wang Z.J., Weaseman D.A., Weissbrodt G.H., Weissbrodt J.C., Ye J.,
Zhang H.F., Zaveri J.F., Zhou M., Zhou Q., Zhuo S., Zhang X.O.,
Zheng X.H., Zhong F., Zhong W., Zhou X., Zhao S., Smith O.O.,
Gibbs R.A., Myers S.W., Rubin G.M., Venter J.C.,
SUNSHINE 287-2195-2195(2000).

SOURCE FROM N.A.

Evans C.A., Goanvay M.D., Kromiller B., Wan F.W., Holt R.A.,
Brazon J. An H., Baldwin D., Annandies P.G., Brandon R.C., Rogers Y.,
Carlson J.W., Center A., Champagne W., Daventon U.T., Diez S.M.,
Farrera S., Frisic E., Gallo R.F., Garq N.S., George R.A., Farfan D.,
Gonzalez M., Houck J., Rouks R.A., Rotin D., Rowland T.,
Ingewan C., Jalali M., Kuske D., Lil P., Matzel B., Mohrfeil A.,
Parlob J., Paragov V., Park S., Paul V., Richerds S., Munoz J.,
Phanavong S., Pittman G.S., Ravi S., Scheeler F., Schaefer F.,
Stapleton M., Strong R., Svratka R., Taylor C., Tyler D., G.M.,
Venter J.C., Weissbrodt G.H., Weissbrodt J.C., Ye J., G.M.,
Yeh J.

"Sequencing of *Drosophila melanogaster* genome."

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Run on: September 25, 2003, 14:54:41 ; Search time 11 Seconds
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671.199 Million cell update

Perfect score: 826

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Minimum DB seq length: 0

Post-processing: Minimum

Database: SwissProt_41:1

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22	128	15	66	67	1	FSH1	09859	homo sapiens
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32	121	14	56	74	1	FSH1	09859	homo sapiens
33	115	14	5	37	1	FSH1	09859	homo sapiens

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

ALIGNMENTS

Accession	Species	Standard	Ref.	757 aa.
U00001	HUMAN			
U00002	HUMAN			
U00003	HUMAN			
U00004	HUMAN			
U00005	HUMAN			
U00006	HUMAN			
U00007	HUMAN			
U00008	HUMAN			
U00009	HUMAN			
U00010	HUMAN			
U00011	HUMAN			
U00012	HUMAN			
U00013	HUMAN			
U00014	HUMAN			
U00015	HUMAN			
U00016	HUMAN			
U00017	HUMAN			
U00018	HUMAN			
U00019	HUMAN			
U00020	HUMAN			
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U00089	HUMAN			
U00090	HUMAN			
U00091	HUMAN			
U00092	HUMAN			
U00093	HUMAN			
U00094	HUMAN			
U00095	HUMAN			
U00096	HUMAN			
U00097	HUMAN			
U00098	HUMAN			
U00099				

[2] CHARACTERIZATION; PubMed=1517256;
CC RP Bartsch O., Bartlick B., Reil R.;
CC RA "alpha-actinin signalling links tyrosine phosphorylation to
CC RA the formation of the adherens junction and increases activity.";
CC EL Hum. Reprod. 17:79-83(2001) [PubMed=11245541]
CC -1- FUNCTION: Receptor for relaxin. The activity of this receptor is
CC mediated by G proteins leading to stimulation of adenylyl cyclase
CC and subsequent activation of protein kinase A. The receptor is a
CC tyrosine kinase pathway that inhibits the activity of a
CC phosphodiesterase that degrades cAMP.
CC -2- ALTERNATIVE PRODUCTS: Intracellular membrane protein.
CC -3- ALTERNATIVE SPLICING: Intra-exon splicing.
CC Name=1; Name=2; Sequence=Displayed;
CC Name=1; Name=2; Sequence=Displayed;
CC -1- IsoId=OM949-2; Sequence=VS-00194;
CC -1- FUNCTION: Receptor for relaxin. Kidney, testis,
CC -1- TISSUE: Ovary, adrenal, prostate, skin and heart. Not
CC detected in spleen.
CC -1- SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
CC -1- SIMILARITY: BELONGS TO FAMILY 1 OF G-PROTEIN COUPLED RECEPTORS.
CC -1- SIMILARITY: Contains 10 leucine-rich (LER) repeats.
CC -1- SIMILARITY: Contains 10 leucine-rich (LER) repeats.
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